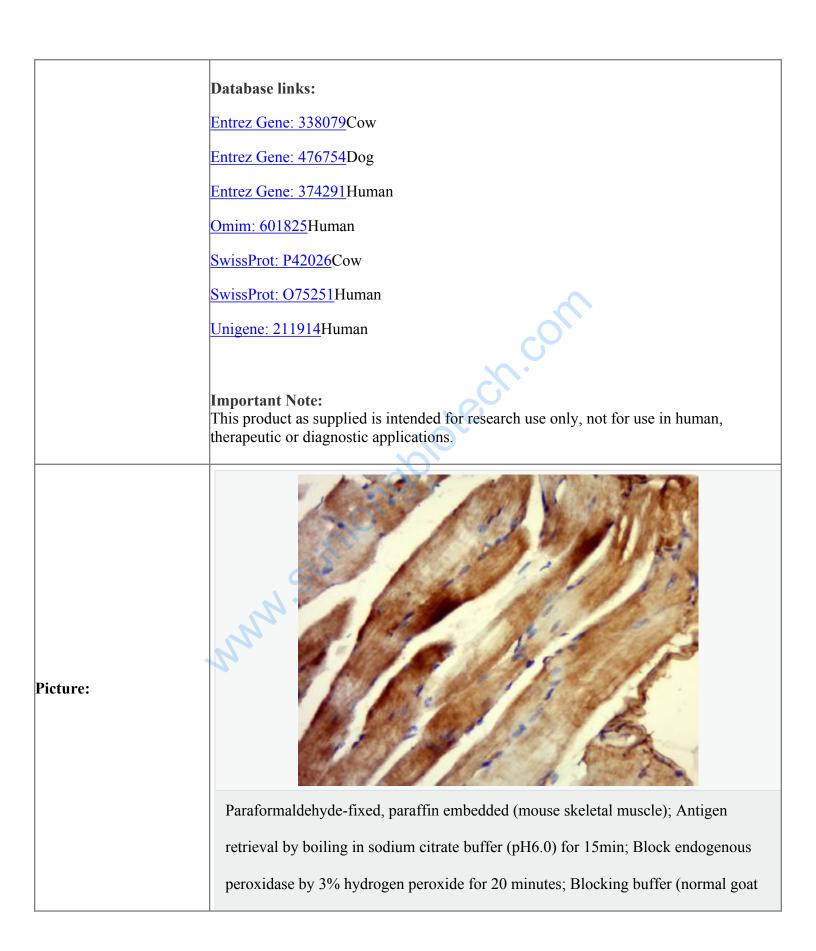


Rabbit Anti-NDUFS7 antibody

SL11734R

Chinese Name: Mitochondrion复合物NDUFS7蛋白抗体 Clionese Name: Mitochondrion复合物NDUFS7蛋白抗体 Cl 20; Cl-20kD; Complex I 20kDa subunit; Complex I mitochondrial respiratory chain 20 KD subunit; Complex I-20kD; MGC120002; MY017; NADH coenzyme Q reductase); NADH dehydrogenase (ubiquinone) Fe S protein 7, 20kDa (NADH coenzyme Q reductase); NADH dehydrogenase (ubiquinone) Fe S protein 7, 20kDa (NADHcoenzyme Q reductase); NADH dehydrogenase [ubiquinone] iron-sulfur protein 7, mitochondrial; NADH-ubiquinone oxidoreductase 20 kDa subunit; NADH:ubiquinone oxidoreductase PSST subunit; NADHcoenzyme Q reductase; Ndufs7; NDUS7 HUMAN; PSST; PSST subunit. Organism Species: Rabbit Clonality: Polyclonal React Species: Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse, ELISA=1:500-1000 Applications: not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user. Molecular weight: 20kDa Cellular localization: cytoplasmic Form: Lyophilized or Liquid Concentration: Img/ml Immunogen: KLH conjugated synthetic peptide derived from human NDUFS7:101-160/213 Lsofype: IgG Purification: of of one year. Avoid repeated freez/thaw cycles. The lyophilized attibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody is stable for at least two week		
CI 20; CI-20kD; Complex I 20kDa subunit; Complex I mitochondrial respiratory chain 20 KD subunit; Complex I-20kD; MGC120002; MY017; NADH coenzyme Q reductase; NADH dehydrogenase (ubiquinone) Fe S protein 7 20kDa (NADH coenzyme Q reductase); NADH dehydrogenase (ubiquinone) Fe S protein 7, 20kDa (NADHcoenzyme Q reductase); NADH dehydrogenase (ubiquinone) Fe S protein 7, 20kDa (NADHcoenzyme Q reductase); NADH dehydrogenase (ubiquinone) Fe S protein 7, 20kDa (NADHcoenzyme Q reductase); NADH dehydrogenase (ubiquinone) Fe S protein 7, 20kDa (NADHcoenzyme Q reductase); NADH Hubiquinone oxidoreductase 20 kDa subunit; NADH-ubiquinone oxidoreductase PSST subunit, NADHcoenzyme Q reductase; NAdufs7; NDUS7 HUMAN; PSST; PSST subunit. Organism Species: Rabbit Clonality: Polyclonal React Species: Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse, ELISA=1:500-1000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user. Molecular weight: 20kDa Cellular localization: cytoplasmic Form: Lyophilized or Liquid Concentration: Img/ml immunogen: KLLH conjugated synthetic peptide derived from human NDUFS7:101-160/213 Lsofype: IgG Purification: affinity purified by Protein A Storage Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyo	Product Name:	NDUFS7
20 KD subunit; Complex I-20kD; MGC120002; MY017; NADH coenzyme Q reductase; NADH dehydrogenase (ubiquinone) Fe S protein 7 20kDa (NADH coenzyme Q reductase); NADH dehydrogenase (ubiquinone) FeS protein 7, 20kDa (NADHcoenzyme Q reductase); NADH dehydrogenase (ubiquinone) FeS protein 7, 20kDa (NADHcoenzyme Q reductase); NADH dehydrogenase (ubiquinone) FeS protein 7, 20kDa (NADHcoenzyme Q reductase); NADH dehydrogenase (ubiquinone) FeS protein 7, 20kDa Alias: Q reductase); NADH dehydrogenase (ubiquinone) FeS protein 7, 20kDa (NADHcoenzyme Q reductase); NADH dehydrogenase [ubiquinone] iron-sulfur protein 7, mitochondria]; NADH-ubiquinone oxidoreductase 20 kDa subunit; NADH:ubiquinone oxidoreductase PSST subunit, NADHcoenzyme Q reductase; Ndufs7; NDUS7 HUMAN; PSST; PSST subunit. Organism Species: Rabbit Clonality: Polyclonal React Species: Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse, ELISA=1:500-1000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user. Molecular weight: 20kDa Cellular localization: cytophilized or Liquid Concentration: Img/ml immunogen: KLH conjugated synthetic peptide derived from human NDUFS7:101-160/213 Lsotype: IgG Purification: affinity purified by Protein A Storage Buffer: 0.01M TBS(pH7.4) with 1% BS	Chinese Name:	
Organism Species:RabbitClonality:PolyclonalReact Species:Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Applications:ELISA=1:500-1000not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.Molecular weight:20kDaCellular localization:cytoplasmicForm:Lyophilized or LiquidConcentration:Img/mlimmunogen:KLH conjugated synthetic peptide derived from human NDUFS7:101-160/213Lsotype:IgGPurification:affinity purified by Protein AStorage Buffer:0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.Storage:Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody is stable for at least two weeks at 2-4 °C.	Alias:	 20 KD subunit; Complex I-20kD; MGC120002; MY017; NADH coenzyme Q reductase; NADH dehydrogenase (ubiquinone) Fe S protein 7 20kDa (NADH coenzyme Q reductase); NADH dehydrogenase (ubiquinone) FeS protein 7, 20kDa (NADHcoenzyme Q reductase); NADH dehydrogenase (ubiquinone) FeS protein7, 20kDa (NADHcoenzyme Q reductase); NADH dehydrogenase [ubiquinone] iron-sulfur protein 7, mitochondrial; NADH-ubiquinone oxidoreductase 20 kDa subunit; NADH:ubiquinone oxidoreductase PSST subunit; NADHcoenzyme Q reductase;
React Species:Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Applications:ELISA=1:500-1000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.Molecular weight:20kDaCellular localization:cytoplasmicForm:Lyophilized or LiquidConcentration:Img/mlimmunogen:KLH conjugated synthetic peptide derived from human NDUFS7:101-160/213Lsotype:IgGPurification:affinity purified by Protein AStorage Buffer:0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.	Organism Species:	
Applications:ELISA=1:500-1000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.Molecular weight:20kDaCellular localization:cytoplasmicForm:Lyophilized or LiquidConcentration:Img/mlimmunogen:KLH conjugated synthetic peptide derived from human NDUFS7:101-160/213Lsotype:IgGPurification:affinity purified by Protein AStorage Buffer:0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.Storage:Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.	Clonality:	Polyclonal S
Applications:not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.Molecular weight:20kDaCellular localization:cytoplasmicForm:Lyophilized or LiquidConcentration:1mg/mlimmunogen:KLH conjugated synthetic peptide derived from human NDUFS7:101-160/213Lsotype:IgGPurification:affinity purified by Protein AStorage Buffer:0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.Storage:Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.	React Species:	Human, Mouse, Rat, Chicken, Dog, Pig, Cow, Horse,
Molecular weight:20kDaCellular localization:cytoplasmicForm:Lyophilized or LiquidConcentration:1mg/mlImmunogen:KLH conjugated synthetic peptide derived from human NDUFS7:101-160/213Lsotype:IgGPurification:affinity purified by Protein AStorage Buffer:0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.Storage:Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.	Applications:	not yet tested in other applications.
Form:Lyophilized or LiquidConcentration:Img/mlImmunogen:KLH conjugated synthetic peptide derived from human NDUFS7:101-160/213Lsotype:IgGPurification:affinity purified by Protein AStorage Buffer:0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.Storage:Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.	Molecular weight:	
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Immunogen:KLH conjugated synthetic peptide derived from human NDUFS7:101-160/213Lsotype:IgGPurification:affinity purified by Protein AStorage Buffer:0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.	Form:	Lyophilized or Liquid
Lsotype:IgGPurification:affinity purified by Protein AStorage Buffer:0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.Storage:Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.	Concentration:	1mg/ml
Purification:affinity purified by Protein AStorage Buffer:0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.Storage:Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.	immunogen:	KLH conjugated synthetic peptide derived from human NDUFS7:101-160/213
Storage Buffer:0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.Storage:Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.	Lsotype:	0
Storage: Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.	Purification:	affinity purified by Protein A
Storage: antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.	Storage Buffer:	
PubMed: PubMed	Storage:	antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of
	PubMed:	PubMed

Product Detail:	Located in the mitochondrial inner membrane, mitochondrial complex 1 is the first and largest enzyme in the electron transport chain of oxidative phosphorylation. By oxidizing NADH that is produced in the Krebs cycle, this complex utilizes the two electrons to reduce ubiquinone to ubiquinol, thereby initiating the passage of electrons to successive complexes and ultimately leading to the reduction of oxygen to water. Mitochondrial complex 1 consists of over 40 subunits and is of considerable clinical interest since defects in any of the subunits can lead to various myopathies and neuropathies. As a subunit of mitochondrial complex 1, NDUFS7 (NADH dehydrogenase [ubiquinone] iron-sulfur protein 7), also designated NADH-ubiquinone oxidoreductase 20 kba subunit, is a 213 amino acid protein that is suggested to be required for catalytic activity. Defects in the genc encoding NDUFS7 are the cause of Leigh syndrome, a severe neurological disorder that is characterized by bilaterally symmetrical necrotic lesions in subcortical brain regions. Function: Core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex 1 that is believed to belong to the minimal assembly required for catalysis. Complex 1 functions in the transfer of electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone. Subunit: Complex 1 is composed of 45 different subunits This is a component of the iron-sulfur (IP) fragment of the enzyme. Subcellular Location: Mitochondrion. DISEASE: Defects in NDUFS7 are a cause of Leigh syndrome (LS) [MIM:256000]. LS is a severe neurological disorder from Chematal disease to adult-onset neurodegenerative disorders. Phenotypes include macrocephaly with progressive leukodystrophy, non-specific encephalopathy, cardiomyopathy, myopathy, liver disease, Leigh syndrome, Leber hereditary optic neuropathy, and some forms of Parkinson disease. Similarity: Belongs to the complex 1 20 kDa subunit family. SWISS: O75251
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serum) at 37°C for 30min; Antibody incubation with (NDUFS7) Polyclonal
Antibody, Unconjugated (SL11734R) at 1:400 overnight at 4°C, followed by a
conjugated secondary (sp-0023) for 20 minutes and DAB staining.

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