



Rabbit Anti-DDX39 antibody

SL14225R

Product Name:	DDX39
Chinese Name:	ATP依赖RNA解旋酶DDX39抗体
Alias:	ATP dependent RNA helicase DDX39; ATP-dependent RNA helicase DDX39A; BAT1; BAT1L; DDX39; DDXL; DEAD (Asp-Glu-Ala-Asp) box polypeptide 39 isoform 2; DEAD (Asp-Glu-Ala-Asp) box polypeptide 39A; DEAD box protein 39; DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 39; Nuclear RNA helicase URH49; Nuclear RNA helicase, DECD variant of DEAD box family; UAP56 related helicase; DX39A HUMAN; UAP56 related helicase, 49 kDa; URH49.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	49kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human DDX39:101-200/427
Lsotype:	IgG
Purification:	affinity purified by Protein A
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.
PubMed:	PubMed
Product Detail:	This gene encodes a member of the DEAD box protein family. These proteins are characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD) and are putative RNA

helicases. They are implicated in a number of cellular processes involving alteration of RNA secondary structure, such as translation initiation, nuclear and mitochondrial splicing, and ribosome and spliceosome assembly. Based on their distribution patterns, some members of the DEAD box protein family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. This gene is thought to play a role in the prognosis of patients with gastrointestinal stromal tumors. A pseudogene of this gene is present on chromosome 13. Alternate splicing results in multiple transcript variants. Additional alternatively spliced transcript variants of this gene have been described, but their full-length nature is not known. [provided by RefSeq, Sep 2013]

Function:

DEAD box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD), are putative RNA helicases. They are implicated in a number of cellular processes involving alteration of RNA secondary structure, such as translation initiation, nuclear and mitochondrial splicing, and ribosome and spliceosome assembly. Based on their distribution patterns, some members of the DEAD box protein family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. DDX39 encodes a member of this family. The function of this member has not been determined. Alternative splicing of this gene generates 2 transcript variants encoding different isoforms.

Subunit:

Binds ALYREF/THOC4 and DDX39B/BAT1. Interacts with SARNP. Interacts with human cytomegalovirus/HHV-5 protein UL69. Interacts with MX1.

Subcellular Location:

Nucleus. Cytoplasm. Note=Can translocate to the cytoplasm in the presence of MX1.

Similarity:

Belongs to the DEAD box helicase family. DECD subfamily.
Contains 1 helicase ATP-binding domain.
Contains 1 helicase C-terminal domain.

SWISS:

O00148

Gene ID:

10212

Database links:

[Entrez Gene: 10212](#) Human

[Entrez Gene: 68278](#) Mouse

[Entrez Gene: 89827](#) Rat

[SwissProt: O00148](#) Human

[SwissProt: Q8VDW0](#) Mouse

[SwissProt: Q5U216](#) Rat

[Unigene: 311609](#) Human

[Unigene: 161716](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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