



## Rabbit Anti-DLST antibody

SL13008R

<b>Product Name:</b>	DLST
<b>Chinese Name:</b>	DLST蛋白抗体
<b>Alias:</b>	2-oxoglutarate dehydrogenase complex component E2; Dihydrolipoamide S succinyltransferase (E2 component of 2 oxo glutarate complex); Dihydrolipoamide S succinyltransferase; Dihydrolipoamide succinyltransferase component of 2 oxoglutarate dehydrogenase complex; Dihydrolipoamide succinyltransferase component of 2-oxoglutarate dehydrogenase complex; Dihydrolipoyllysine residue succinyltransferase component of 2 oxoglutarate dehydrogenase complex; Dihydrolipoyllysine residue succinyltransferase component of 2 oxoglutarate dehydrogenase complex mitochondrial; Dihydrolipoyllysine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase complex; Dlst; DLTS; E2; E2K; mitochondrial; ODO2 HUMAN; OGDC-E2.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep,
<b>Applications:</b>	WB=1:500-2000ELISA=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.
<b>Molecular weight:</b>	41kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human DLST:201-300/453
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	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.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	<p>The 2-oxoglutarate dehydrogenase complex catalyzes the overall conversion of 2-oxoglutarate to succinyl-CoA and CO<sub>2</sub>. The complex contains multiple copies of three enzymatic components: 2-oxoglutarate dehydrogenase (E1), dihydrolipoamide succinyltransferase (E2) and lipoamide dehydrogenase (E3). DLST (dihydrolipoyllysine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase complex, mitochondrial), also known as DLTS or 2-oxoglutarate dehydrogenase complex component E2, is a 453 amino acid protein belonging to the 2-oxoacid dehydrogenase family. DLST covalently binds one lipoyl cofactor and participates in L-lysine degradation via the saccharopine pathway. Localized to the mitochondrion, DLST forms a 24-polypeptide structural core with octahedral symmetry. The gene encoding DLST maps to human chromosome 14q24.3 and mouse chromosome 12 D2.</p> <p><b>Function:</b> The 2-oxoglutarate dehydrogenase complex catalyzes the overall conversion of 2-oxoglutarate to succinyl-CoA and CO<sub>2</sub>. It contains multiple copies of 3 enzymatic components: 2-oxoglutarate dehydrogenase (E1), dihydrolipoamide succinyltransferase (E2) and lipoamide dehydrogenase (E3).</p> <p><b>Subunit:</b> Forms a 24-polypeptide structural core with octahedral symmetry.</p> <p><b>Subcellular Location:</b> Mitochondrion.</p> <p><b>Similarity:</b> Belongs to the 2-oxoacid dehydrogenase family. Contains 1 lipoyl-binding domain.</p> <p><b>SWISS:</b> P36957</p> <p><b>Gene ID:</b> 1743</p> <p><b>Database links:</b></p> <p><a href="#">Entrez Gene: 1743</a>Human</p> <p><a href="#">Entrez Gene: 78920</a>Mouse</p> <p><a href="#">Entrez Gene: 299201</a>Rat</p> <p><a href="#">Omim: 126063</a>Human</p>

[SwissProt: P36957](#)Human

[SwissProt: Q9D2G2](#)Mouse

[SwissProt: Q01205](#)Rat

[Unigene: 525459](#)Human

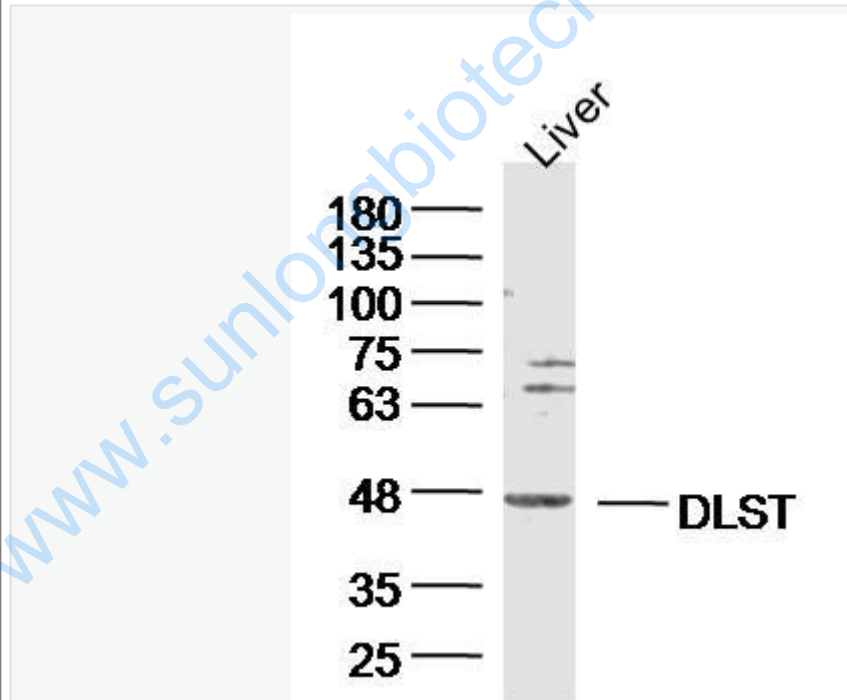
[Unigene: 296221](#)Mouse

[Unigene: 99702](#)Rat

**Important Note:**

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

Picture:



Sample: Liver (Mouse) Lysate at 40 ug

Primary: Anti-DLST (SL13008R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 41 kD

	Observed band size: 47 kD
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