

Datasheet for ABIN7599412
anti-DLST antibody (AA 1-453)



[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	DLST
Binding Specificity:	AA 1-453
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DLST antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Purpose:	Anti-DLST Antibody Picoband®
Immunogen:	E.coli-derived human DLST recombinant protein (Position: M1-L453).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-DLST Antibody Picoband® (ABIN7599412). Tested in ELISA, IHC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	DLST
Alternative Name:	DLST (DLST Products)
Background:	Synonyms: Sentrin-specific protease 6, SUMO-1-specific protease 1, Sentrin/SUMO-specific protease SENP6, SENP6, KIAA0797, SSP1, SUSP1, FKSG6 Tissue Specificity: Expressed in many tissues, highest levels in skeletal muscle. Background: Dihydrolipoyllysine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase complex, mitochondrial is an enzyme that in humans is encoded by the DLST gene. This gene encodes a mitochondrial protein that belongs to the 2-oxoacid dehydrogenase family. This protein is one of the three components (the E2 component) of the 2-oxoglutarate dehydrogenase complex that catalyzes the overall conversion of 2-oxoglutarate to succinyl-CoA and CO(2). Alternatively spliced transcript variants have been found for this gene.
Molecular Weight:	50 kDa
Gene ID:	1743
UniProt:	P36957

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human, Mouse, Rat ELISA, 0.1-0.5 µg/mL, - 1. Ali, G., Wasco, W., Cai, X., Szabo, P., Sheu, K.-F. R., Cooper, A. J. L., Gaston, S. M., Gusella, J. F., Tanzi, R. E., Blass, J. P. Isolation, characterization, and mapping of gene encoding dihydrolipoyl succinyltransferase (E2k) of human alpha-ketoglutarate dehydrogenase complex. Somat. Cell Molec. Genet. 20: 99-105, 1994. 2. Nakano, K., Matuda, S., Sakamoto, T., Takase, C., Nakagawa, S., Ohta, S., Ariyama, T., Inazawa, J., Abe, T., Miyata, T. Human dihydrolipoamide succinyltransferase: cDNA cloning and localization on chromosome 14q24.2-q24.3. Biochim. Biophys. Acta 1216: 360-368, 1993. 3. Nakano, K., Takase, C., Sakamoto, T., Ohta, S., Nakagawa, S., Ariyama, T., Inazawa, J., Abe, T., Matuda, S. An unspliced cDNA for human dihydrolipoamide succinyltransferase: characterization and mapping of the gene to chromosome 14q24.2-q24.3. Biochem. Biophys. Res. Commun. 196: 527-533, 1993.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
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Handling

Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage:	4 °C, -20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.