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DLST antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI14681

Specification

DLST antibody - C-terminal region - Product Information

Application	**WB**
Primary Accession	P36957
Other Accession	NM_001933, NP_001924
Reactivity	**Human, Mouse, Rat, Rabbit, Horse, Bovine, Guinea Pig, Dog**
Predicted	**Human, Rat, Chicken, Horse, Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**50kDa KDa**

DLST antibody - C-terminal region - Additional Information

Gene ID 1743

Alias Symbol	**DLTS**

Other Names
Dihydrolipoyllysine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase complex, mitochondrial, 2.3.1.61, 2-oxoglutarate dehydrogenase complex component E2, OGDC-E2, Dihydrolipoamide succinyltransferase component of 2-oxoglutarate dehydrogenase complex, E2K, DLST, DLTS

Format
Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage
Add 50 ul of distilled water. Final anti-DLST antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions
DLST antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

DLST antibody - C-terminal region - Protein Information

Name DLST (HGNC:2911)

Synonyms DLTS

Function
Dihydrolipoamide succinyltransferase (E2) component of the 2- oxoglutarate dehydrogenase complex. The 2-oxoglutarate dehydrogenase complex catalyzes the overall conversion of 2-oxoglutarate to succinyl- CoA and CO(2). The 2-oxoglutarate dehydrogenase complex is mainly

active in the mitochondrion (PubMed:29211711, PubMed:30929736). A fraction of the 2-oxoglutarate dehydrogenase complex also localizes in the nucleus and is required for lysine succinylation of histones: associates with KAT2A on chromatin and provides succinyl-CoA to histone succinyltransferase KAT2A (PubMed:29211711).

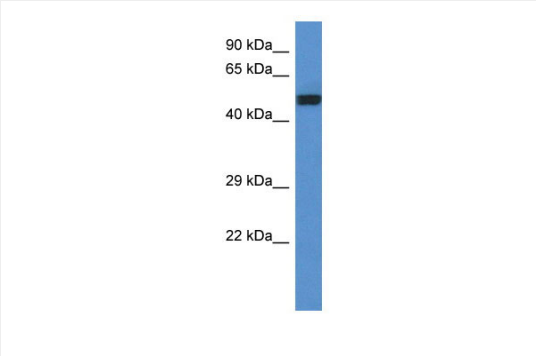
Cellular Location
Mitochondrion matrix. Nucleus Note=Mainly localizes in the mitochondrion. A small fraction localizes to the nucleus, where the 2-oxoglutarate dehydrogenase complex is required for histone succinylation.

DLST antibody - C-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

DLST antibody - C-terminal region - Images



WB Suggested Anti-DLST Antibody Titration: 1.0 µg/ml
Positive Control: Placenta

DLST antibody - C-terminal region - References

Nakano K.,et al.Biochim. Biophys. Acta 1216:360-368(1993).
Nakano K.,et al.Eur. J. Biochem. 224:179-189(1994).
Keryanov S.,et al.Submitted (MAY-1995) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Heilig R.,et al.Nature 421:601-607(2003).