

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 Host	Human, Rat, Chicken, Horse, Bovine
Clonality	Rabbit
Calculated MW	Polyclonal 50kDa KDa

DLST antibody - C-terminal region - Additional Information**Gene ID 1743**Alias Symbol **DLTS****Other Names**

Dihydrolipoalysine-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 InformationName 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 CO₂. 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

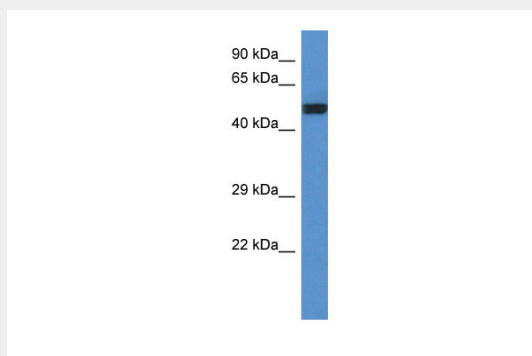
Mitochondrion matrix. Nucleus Note=Mainly localizes in the mitochondrion. A small fraction localizes to the nucleus, where the 2-oxoglutarate dehydrogenase complex is required for histone succinylation.

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 Cytometry](#)
- [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).