

## DLST Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP55039

#### Specification

# **DLST Polyclonal Antibody - Product Information**

Application Primary Accession Reactivity Host Clonality Calculated MW

WB, IHC-P, IHC-F, IF, E <u>P36957</u> Rat, Pig, Dog, Bovine Rabbit Polyclonal 48755

## **DLST Polyclonal Antibody - Additional Information**

Gene ID 1743

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

Dilution

<span class ="dilution\_WB">WB~~1:1000</span><br \><span class ="dilution\_IHC-P">IHC-P~~N/A</span><br \><span class ="dilution\_IHC-F">IHC-F~~N/A</span><br \><span class ="dilution\_IF">IF~~1:50~200</span><br \><span class ="dilution\_E">E~~N/A</span>

Format 0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**Storage** Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

## **DLST Polyclonal Antibody - Protein Information**

Name DLST (<u>HGNC:2911</u>)

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:<a href="http://www.uniprot.org/citations/29211711" target="\_blank">29211711</a>, PubMed:<a href="http://www.uniprot.org/citations/30929736"



target="\_blank">30929736</a>). 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:<a href="http://www.uniprot.org/citations/29211711" target="\_blank">29211711</a>).

#### **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 Polyclonal Antibody - Protocols**

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

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

## **DLST Polyclonal Antibody - Images**



Sample: Liver (Mouse) Lysate at 40 ug Primary: Anti-DLST (bs-13008R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 41 kD Observed band size: 47 kD