

## ARG43830 anti-DLST antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes DLST.
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Dihydrolipoamide S-Succinyltransferase
Immunogen	Recombinant protein of human DLST (aa.150-270).
Conjugation	Un-conjugated
Alternate Names	DLST; Dihydrolipoamide S-Succinyltransferase; OGDH-E2; KGD2; DLST; Dihydrolipoamide S-Succinyltransferase Component Of 2-Oxoglutarate Dehydrogenase Complex, Mitochondrial; Dihydrolipoamide S-Succinyltransferase (E2 Component Of 2-Oxo-Glutarate Complex); 2-Oxoglutarate Dehydrogenase Complex Component E2; EC 2.3.1.61; E2K; Dihydrolipoamide Succinyltransferase Component Of 2-Oxoglutarate Dehydrogenase Complex; Dihydrolipoamide S-Succinyltransferase; EC 2.3.1; PGL7

### Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:100
	IHC-P	1:50 - 1:100
	WB	1:500 - 1:2000

**Application Note** \* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

### Properties

Form	Liquid
Purification	Affinity purified
Buffer	PBS (pH7.3) with 0.02% sodium azide, 50% glycerol.
Preservative	0.02% sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

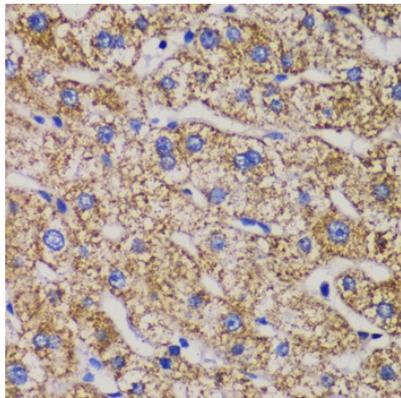
## Bioinformation

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Gene Symbol	DLST
Gene Full Name	Dihydrolipoamide S-Succinyltransferase
Background	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 <sub>2</sub> . Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Oct 2011]
Function	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.
Calculated Mw	49 kDa
PTM	Acetylation, Phosphoprotein
Cellular Localization	Mitochondrion, Nucleus

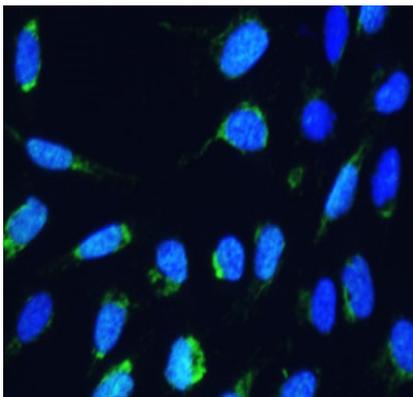
## Images

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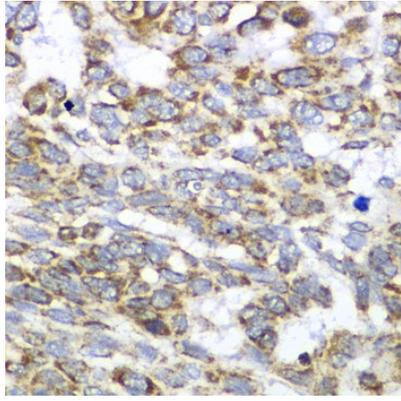
ARG43830 anti-DLST antibody IHC-P image

Immunohistochemistry: Human liver stained with ARG43830 anti-DLST antibody at 1:100 dilution.



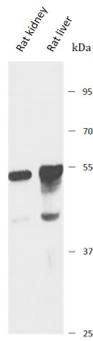
ARG43830 anti-DLST antibody ICC/IF image

Immunofluorescence: U2OS stained with ARG43830 anti-DLST antibody at 1:100 dilution.



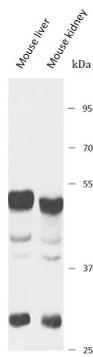
#### ARG43830 anti-DLST antibody IHC-P image

Immunohistochemistry: Human esophageal cancer stained with ARG43830 anti-DLST antibody at 1:100 dilution.



#### ARG43830 anti-DLST antibody WB Image

Western blot: Rat kidney and Rat liver stained with ARG43830 anti-DLST antibody at 1:1000 dilution.



#### ARG43830 anti-DLST antibody WB Image

Western blot: Mouse liver and Mouse kidney ARG43830 anti-DLST antibody at 1:1000 dilution.