

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; OGDC-E2; KGD2; DLTS; Dihydrolipoyllysine-Residue 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; Dihydrolipoyllysine-Residue 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.

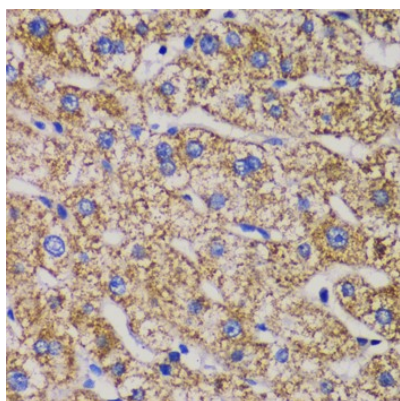
Properties

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

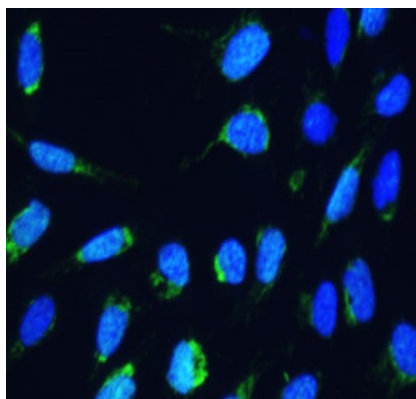
Gene Symbol	DLST
Gene Full Name	Dihydrolipoamide S-Succinyltransferase
Background	This gene encodes a mitochondrial protein that belongs to the 2-oxoacid dehydrogenase family. This protein is one of the three components (the E2 component) of the 2-oxoglutarate dehydrogenase complex that catalyzes the overall conversion of 2-oxoglutarate to succinyl-CoA and CO(2). 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



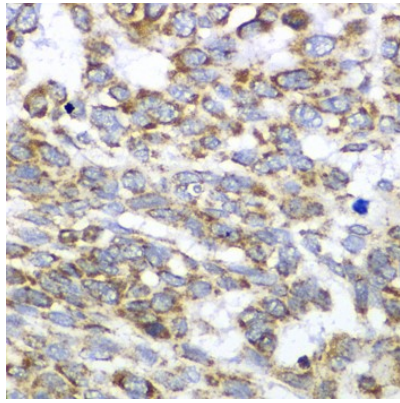
ARG43830 anti-DLST antibody IHC-P image

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



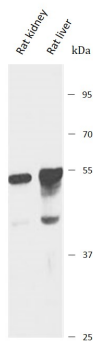
ARG43830 anti-DLST antibody ICC/IF image

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



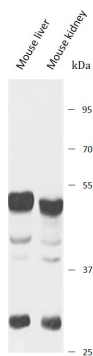
ARG43830 anti-DLST antibody IHC-P image

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.