

## ARG57847 anti-DLAT antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes DLAT
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	DLAT
Species	Human
Immunogen	Recombinant protein of Human DLAT
Conjugation	Un-conjugated
Alternate Names	Dihydrolipoyllysine-residue acetyltransferase component of pyruvate dehydrogenase complex, mitochondrial; PDC-E2; Dihydrolipoamide acetyltransferase component of pyruvate dehydrogenase complex; M2 antigen complex 70 kDa subunit; EC 2.3.1.12; PBC; Pyruvate dehydrogenase complex component E2; DLTA; 70 kDa mitochondrial autoantigen of primary biliary cirrhosis; PDCE2

### Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	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.	
Positive Control	22RV-1	

### Properties

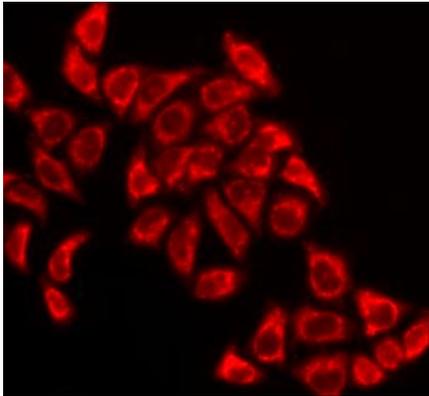
Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. 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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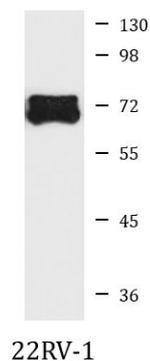
Gene Symbol	DLAT
Gene Full Name	dihydrolipoamide S-acetyltransferase
Background	The pyruvate dehydrogenase complex catalyzes the overall conversion of pyruvate to acetyl-CoA and CO <sub>2</sub> . It contains multiple copies of three enzymatic components: pyruvate dehydrogenase (E1), dihydrolipoamide acetyltransferase (E2) and lipoamide dehydrogenase (E3).
Function	The pyruvate dehydrogenase complex catalyzes the overall conversion of pyruvate to acetyl-CoA and CO <sub>2</sub> , and thereby links the glycolytic pathway to the tricarboxylic cycle. [UniProt]
Research Area	Controls and Markers antibody; Metabolism antibody; Signaling Transduction antibody
Calculated Mw	69 kDa
PTM	Delipoylated at Lys-132 and Lys-259 by SIRT4, delipoylation decreases the PHD complex activity.
Cellular Localization	Mitochondrion matrix.

## Images



ARG57847 anti-DLAT antibody ICC/IF image

Immunofluorescence: HeLa cells stained with ARG57847 anti-DLAT antibody.



ARG57847 anti-DLAT antibody WB image

Western blot: 25 µg of 22RV-1 cell lysate stained with ARG57847 anti-DLAT antibody at 1:1000 dilution.