

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 | |

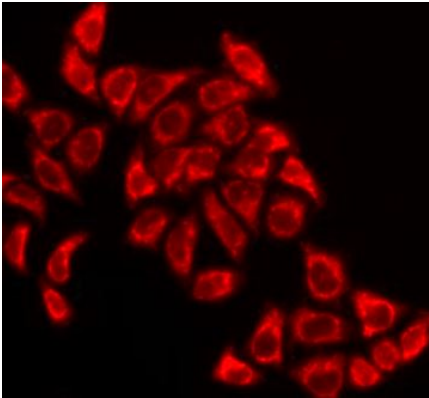
Properties

| | |
|---------------------|---|
| 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

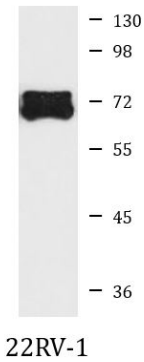
| | |
|-----------------------|--|
| Gene Symbol | DLAT |
| Gene Full Name | dihydrolipoamide S-acetyltransferase |
| Background | The pyruvate dehydrogenase complex catalyzes the overall conversion of pyruvate to acetyl-CoA and CO2. It contains multiple copies of three enzymatic components: pyruvate 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(2), 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.