

## ARG67100 anti-LIAS antibody

Package: 100 µl  
Store at: -20°C

### Summary

|                     |   |
|---------------------|---|
| Product Description | Rabbit Polyclonal antibody recognizes LIAS.   |
| Tested Reactivity   | Hu  |
| Tested Application  | WB  |
| Host                | Rabbit  |
| Clonality           | Polyclonal  |
| Isotype             | IgG   |
| Target Name         | LIAS  |
| Species             | Human   |
| Immunogen           | Synthetic peptide of Human LIAS.  |
| Conjugation         | Un-conjugated   |
| Alternate Names     | LIAS; Lipoic Acid Synthetase; LAS; Lipoyl Synthase, Mitochondrial; Lipoate Synthase; Lipoic Acid Synthase |

### Application Instructions

| Application table | Application | Dilution         |
|-------------------|-------------|------------------|
|                   | 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

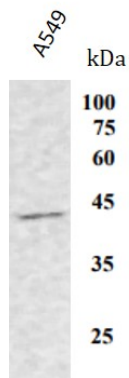
|                     |   |
|---------------------|---|
| Form                | Liquid  |
| Purification        | Affinity purified.  |
| Buffer              | PBS, 0.02% Sodium azide and 50% Glycerol.   |
| Preservative        | 0.02% Sodium azide  |
| Stabilizer          | 50% Glycerol  |
| Concentration       | 1 mg/ml   |
| 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           | LIAS   |
| Gene Full Name        | Lipoic Acid Synthetase   |
| Background            | The protein encoded by this gene belongs to the biotin and lipoic acid synthetases family. Localized in the mitochondrion, this iron-sulfur enzyme catalyzes the final step in the de novo pathway for the biosynthesis of lipoic acid, a potent antioxidant. The deficient expression of this enzyme has been linked to conditions such as diabetes, atherosclerosis and neonatal-onset epilepsy. Alternative splicing occurs at this locus, and several transcript variants encoding distinct isoforms have been identified. |
| Function              | Catalyzes the radical-mediated insertion of two sulfur atoms into the C-6 and C-8 positions of the octanoyl moiety bound to the lipoyl domains of lipoate-dependent enzymes, thereby converting the octanoylated domains into lipoylated derivatives.  |
| Calculated Mw         | 42 kDa   |
| Cellular Localization | Mitochondrion  |

## Images

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ARG67100 anti-LIAS antibody WB image

Western blot: A549 stained with ARG67100 anti-LIAS antibody at 1:1000 dilution.