

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
Clone	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.

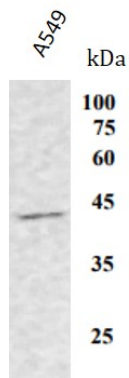
Properties

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



ARG67100 anti-LIAS antibody WB image

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