

ARG43838
anti-LIAS antibodyPackage: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes LIAS.
Tested Reactivity	Hu, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	LIAS
Immunogen	Synthetic peptide from human LIAS.
Conjugation	Un-conjugated
Alternate Names	LIAS; Lipoic Acid Synthetase; LAS; Lipoyl Synthase, Mitochondrial; Lipoate Synthase; EC 2.8.1.8; Lip-Syn; LS; Lipoic Acid Synthase; HUSSY-01; HGCLAS; PDHLD; LIP1

Application Instructions

Properties

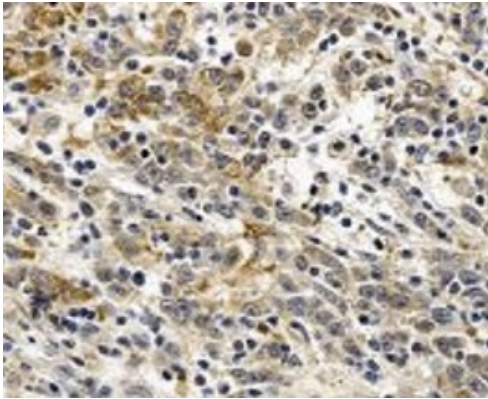
Form	Liquid
Purification	Affinity chromatography
Buffer	PBS (pH 7.4) with 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot 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	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. [provided by RefSeq, Aug 2020]

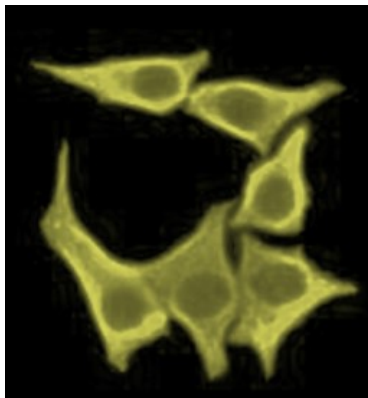
Function	Catalyzes the radical-mediated insertion of two sulfur atoms into the C-6 and C-8 positions of the octanoyl moiety bound to the lipoyl domains of lipoate-dependent enzymes, thereby converting the octanoylated domains into lipoylated derivatives.
Cellular Localization	Mitochondrion

Images



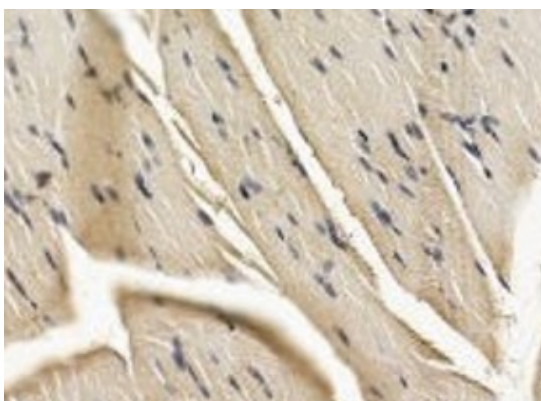
ARG43838 anti-LIAS antibody IHC-P image

Immunohistochemistry: Human gastric cancer stained with ARG43838 anti-LIAS antibody.



ARG43838 anti-LIAS antibody ICC/IF image

Immunofluorescence: HeLa cells stained with ARG43838 anti-LIAS antibody.



ARG43838 anti-LIAS antibody IHC-P image

Immunohistochemistry: Rat muscle stained with ARG43838 anti-LIAS antibody.

ARG43838 anti-LIAS antibody WB image

Western blot: MCF7 cell stained with ARG43838 anti-LIAS antibody.

