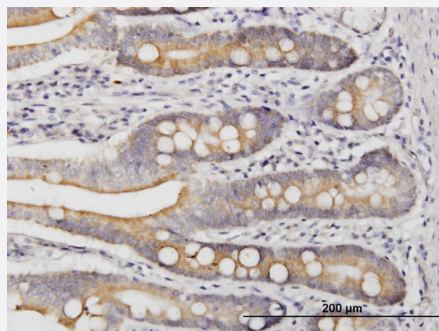


LIAS monoclonal antibody (M03), clone 1C7

Catalog # H00011019-M03

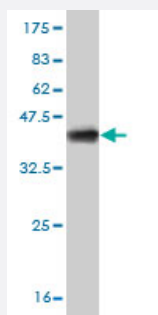
Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to LIAS on formalin-fixed paraffin-embedded human small Intestine. [antibody concentration 1.2 ug/ml]



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant LIAS.
Immunogen	LIAS (NP_006850, 273 a.a. ~ 372 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	ISKTSIMLGLGENDEQVYATMKALREADVDCLTLGQYMQPTRRHLKVVEEYITPEKFKYWEKVGNEL GFHYTASGPLVRSSYKAGEFFLNKLVAKRRTKDL
Host	Mouse
Reactivity	Human

Interspecies Antigen Sequence	Mouse (87); Rat (87)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to LIAS on formalin-fixed paraffin-embedded human small Intestine. [antibody concentration 1.2 ug/ml]

[Protocol Download](#)

- ELISA

Gene Info — LIAS

Entrez GeneID	11019
GeneBank Accession#	NM_006859
Protein Accession#	NP_006850
Gene Name	LIAS
Gene Alias	HUSSY-01, LAS, LIP1, MGC23245
Gene Description	lipoic acid synthetase
Omim ID	607031
Gene Ontology	Hyperlink

Gene Summary

The protein encoded by this gene belongs to the biotin and lipoic acid synthetases family. It localizes in mitochondrion and plays an important role in alpha-(+)-lipoic acid synthesis. It may also function in the sulfur insertion chemistry in lipoate biosynthesis. Alternative splicing occurs at this locus and two transcript variants encoding distinct isoforms have been identified. [provided by RefSeq]

Other Designations

lipoate synthase

Pathway

- [Lipoic acid metabolism](#)
- [Metabolic pathways](#)