

Rabbit LIS1 Polyclonal Antibody | anti-PAFAH1B1 antibody

LIS1 Antibody

CATALOG # AAA39520	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Immunocytochemistry, Western Blot, ELISA
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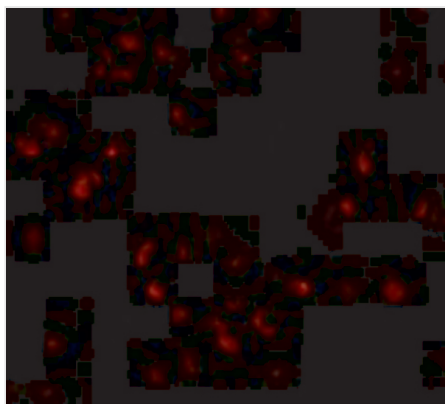
PRODUCT SYNONYMS

LIS1; Polyclonal Antibody; LIS1 Antibody; MDS; LIS2; MDCR; PAFAH; PAFAHA; Platelet-activating factor acetylhydrolase IB subunit alpha; Lissencephaly-1 protein; LIS-1; platelet-activating factor acetylhydrolase; isoform Ib; subunit 1 (45kDa); anti-PAFAH1B1 antibody

PRODUCT SPECIFICATIONS

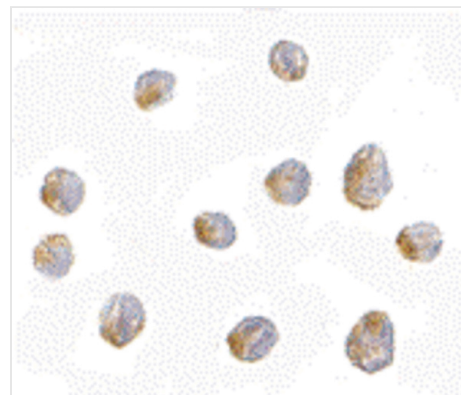
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	LIS1 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	410
Applicable Applications for anti-PAFAH1B1 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	LIS1 antibody was raised against a 14 amino acid synthetic peptide from near the carboxy terminus of human LIS1.
Buffer	LIS1 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	LIS1 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



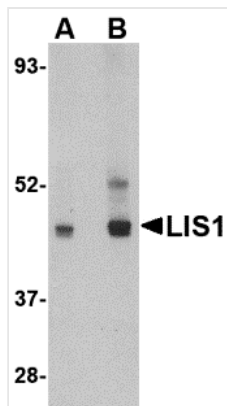
IF (Immunofluorescence)

Immunofluorescence of LIS1 in Jurkat cells with LIS1 antibody at 20 μg/mL.



ICC (Immunocytochemistry)

Immunocytochemistry of LIS1 in Jurkat cells with LIS1 antibody at 2.5 μg/mL.



WB (Western Blot)

Western blot analysis of LIS1 in HeLa cell lysate with LIS1 antibody at (A) 0.5 and (B) 1 µg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-PAFAH1B1 antibody

LIS1 Antibody: Lissencephaly is a severe brain developmental disease characterized by the mislocalization of cortical neurons, a smooth cerebral surface, mental retardation, and seizures. Classical lissencephaly is caused by sporadic mutations in the LIS1 gene. While LIS1 is known to act in a pathway deactivating the lipid messenger platelet-activating factor, LIS1 forms a complex with Nudel and 14-3-3epsilon which is then transported from neuronal cell bodies through the actions of DISC1 and KIF5A, a microtubule-dependent directed motor protein kinesin. Decreased expression of LIS1 blocked neural stem cell division, morphogenesis, and motility, suggesting that LIS1 plays an important role in neuronal cell proliferation and localization in the developing brain. At least two isoforms of LIS1 are known to exist.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1170794
NCBI GeneID	5048
UniProt Accession #	P43034; Q8WZ88; Q8WZ89; B2R7Q7
Molecular Weight	16,869 Da
NCBI Official Full Name	Platelet-activating factor acetylhydrolase IB subunit alpha
NCBI Official Synonym Full Names	platelet-activating factor acetylhydrolase 1b, regulatory subunit 1 (45kDa)
NCBI Official Symbol	PAFAH1B1
NCBI Official Synonym Symbols	MDS; LIS1; LIS2; MDCR; PAFAH
NCBI Protein Information	platelet-activating factor acetylhydrolase IB subunit alpha; PAFAH1B1; lissencephaly 1 protein; platelet-activating factor acetylhydrolase, isoform Ib, subunit 1 (45kDa); platelet-activating factor acetylhydrolase, isoform Ib, alpha subunit (45kD)
UniProt Protein Name	Platelet-activating factor acetylhydrolase IB subunit alpha
UniProt Gene Name	PAFAH1B1
UniProt Entry Name	LIS1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/lis1-antibody-immunofluorescence-immunocytochemistry-western-blot-elisa/39520>