



LIS1 mouse mAb

Catalog No	YP-mAb-10988
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;ELISA;IHC
Gene Name	PAFAH1B1 LIS1 MDCR MDS PAFAHA
Immunogen	Synthesized peptide derived from human LIS1
Specificity	This antibody detects endogenous levels of LIS1 at Human/Mouse/Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, mouse,IgG
Purification	The antibody was affinity-purified from mouse serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:500-2000;IHC-p 1:50-300; ELISA 2000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	LIS 1;LIS1;LIS2;Lissencephaly 1 protein;MDCR;MDS;PAF AH 45 kDa subunit; PAF AH alpha;PAFAH;PAFAH1B1 LIS1 MDCR MDS PAFAHA
Observed Band	45kD
Calculated Molecular Weight	45kD
Cell Pathway	Cytoplasm, cytoskeleton. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome . Cytoplasm, cytoskeleton, spindle . Nucleus membrane . Redistributes to axons during neuronal development. Also localizes to the microtubules of the manchette in elongating spermatids and to the meiotic spindle in spermatocytes (By similarity). Localizes to the plus end of microtubules and to the centrosome. May localize to the nuclear membrane. .
Tissue Specificity	Fairly ubiquitous expression in both the frontal and occipital areas of the brain.
Function	disease:Defects in PAFAH1B1 are a cause of Miller-Dieker lissencephaly syndrome (MDLS) [MIM:247200]. MDLS is a contiguous gene deletion syndrome of chromosome 17p13.3, characterized by classical lissencephaly and distinct facial features. Additional congenital malformations can be part of the condition.,disease:Defects in PAFAH1B1 are the cause of lissencephaly type 1 (LIS1) [MIM:607432]; also known as classic lissencephaly. LIS1 is characterized by agyria or pachgyria and disorganization of the clear neuronal lamination of



normal six-layered cortex. The cortex is abnormally thick and poorly organized with 4 primitive layers. LIS1 is associated with enlarged and dysmorphic ventricles and often hypoplasia of the corpus callosum.,disease:Defects in PAFAH1B1 are the cause of subcortical band heterotopia (SBH) [MIM:607432]. SBH is a mild brain malformation of the lissencephaly spectrum. It i

Background

This locus was identified as encoding a gene that when mutated or lost caused the lissencephaly associated with Miller-Dieker lissencephaly syndrome. This gene encodes the non-catalytic alpha subunit of the intracellular Ib isoform of platelet-activating factor acetylhydrolase, a heterotrimeric enzyme that specifically catalyzes the removal of the acetyl group at the SN-2 position of platelet-activating factor (identified as 1-O-alkyl-2-acetyl-sn-glycerol-3-phosphorylcholine). Two other isoforms of intracellular platelet-activating factor acetylhydrolase exist: one composed of multiple subunits, the other, a single subunit. In addition, a single-subunit isoform of this enzyme is found in serum. [provided by RefSeq, Apr 2009],

matters needing attention

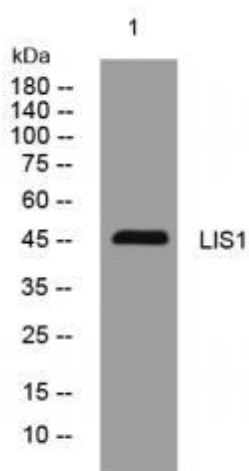
Avoid repeated freezing and thawing!

Usage suggestions

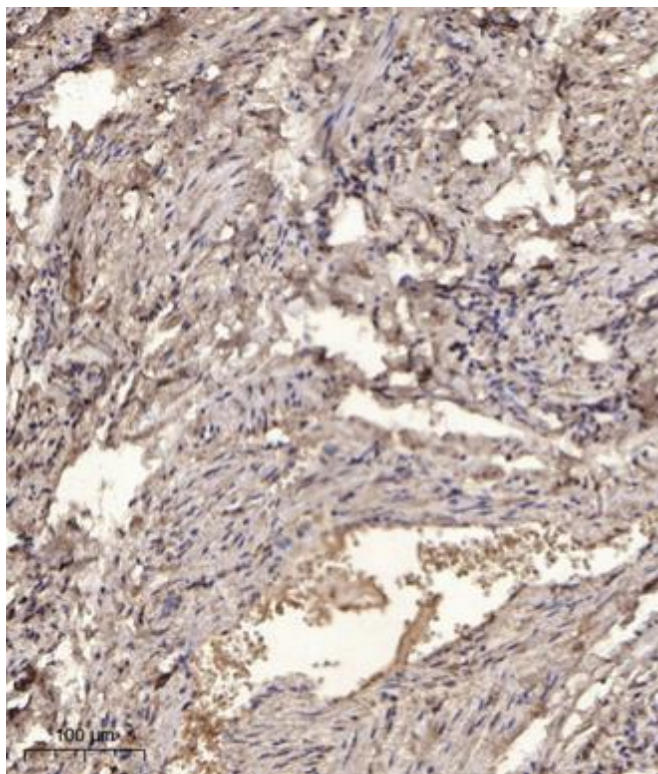
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



Products Images



Western blot analysis of lysates from KB cells, primary antibody was diluted at 1:1000, 4° over night



Immunohistochemical analysis of paraffin-embedded human oophoroma. 1. Antibody was diluted at 1:200(4° overnight). 2. Tris-EDTA, pH9.0 was used for antigen retrieval. 3. Secondary antibody was diluted at 1:200(room temperature, 45min).