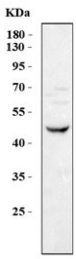
PAFAH1B1 Antibody / Lissencephaly 1 / LIS1 (RQ8508)

Catalog No.	Formulation	Size
RQ8508	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P43034
Applications	Western blot: 0.5-1ug/ml ELISA: 0.1-0.5ug/ml
Limitations	This PAFAH1B1 antibody is available for research use only.



Western blot testing of human U-87 MG cell lysate with PAFAH1B1 antibody. Predicted molecular weight ~47 kDa.

Description

Platelet-activating factor acetylhydrolase IB subunit alpha, also called Lissencephaly 1 and LIS1, is an enzyme that in humans is encoded by the PAFAH1B1 gene. 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 acteylhydrolase, 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-glyceryl-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.

Application Notes

Optimal dilution of the PAFAH1B1 antibody should be determined by the researcher.

Immunogen

An E.coli-derived human recombinant protein (amino acids I95-R410) was used as the immunogen for the PAFAH1B1 antibody.

Storage

After reconstitution, the PAFAH1B1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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