

Product Name: KD-Validated PAFAH1B1 Recombinant Rabbit Monoclonal Antibody
Catalog #: KVA01499

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 46.6kDa

Antigen Information

Gene Name	PAFAH1B1 PAFAH1B1; Platelet Activating Factor Acetylhydrolase 1b Regulatory Subunit 1; LIS1; PAFAH; MDCR; MDS; Platelet-Activating Factor Acetylhydrolase 1b, Regulatory Subunit 1 (45kDa); Platelet-Activating Factor Acetylhydrolase IB Subunit Beta; NudF; Platelet-Activating Factor Acetylhydrolase, Isoform Ib, Alpha Subunit (45kD); Platelet-Activating Factor Acetylhydrolase, Isoform Ib, Alpha Subunit 45kDa; Platelet-Activating Factor Acetylhydrolase, Isoform Ib, Subunit 1 (45kDa); Miller-Dieker Syndrome Chromosome Region; PAF Acetylhydrolase 45 KDa Subunit; Lissencephaly 1 Protein; Lissencephaly-1 Protein; PAF-AH 45 KDa Subunit; Lissencephaly-1; PAF-AH Alpha; PAFAH Alpha; PAFAHA; LIS-1; LIS2; NUDF
Alternative Names	
Gene ID	5048.0

SwissProt ID P43034

Immunogen A synthesized peptide derived from human LIS1

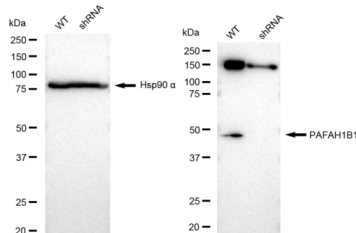
Background

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 1b 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]

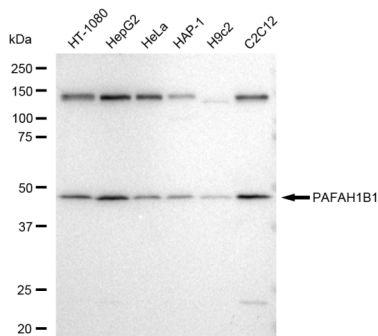
Research Area

Neuroscience

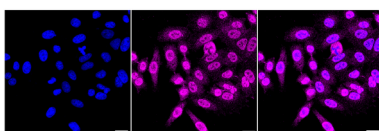
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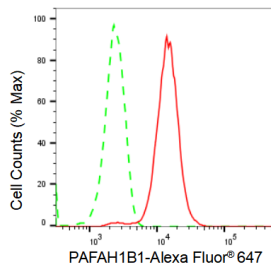
Western blotting analysis using PAFAH1B1 antibody (KVA01499). PAFAH1B1 expression in wild type (WT) and PAFAH1B1 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with PAFAH1B1 antibody (KVA01499, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using PAFAH1B1 antibody (KVA01499). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with PAFAH1B1 antibody (KVA01499, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively. PAFAH1B1, platelet activating factor acetylhydrolase 1b regulatory subunit 1.



Immunocytochemical staining of HepG2 cells with PAFAH1B1 antibody (KVA01499, 1:1,000). Nuclei were stained blue with DAPI; PAFAH1B1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High. Scale bar: 20 µm.



Flow cytometric analysis of PAFAH1B1 expression in HepG2 cells using PAFAH1B1 antibody (KVA01499, 1:2,000). Green, isotype control; red, PAFAH1B1.