



Anti-PAFAH1B1 (aa 1-110) polyclonal antibody (DPAB-DC2076)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description 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 I β 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.

Immunogen PAFAH1B1 (NP_000421, 1 a.a. ~ 110 a.a) partial recombinant protein with GST tag. The sequence is
MVLSQRQRDELNRAIADYLRNNGYEEAYSVFKKEAELDVNEELDKKYAGLLEKKWTSVIR
LQKKVMELESKLNEAKEEFTSGGPLGQKRDPKEWIPRPPEKYALSGHRSP

Source/Host Mouse

Species Reactivity Human

Conjugate Unconjugated

Applications WB (Recombinant protein), ELISA,

Size 50 μ l

Buffer 50 % glycerol

Preservative None

Storage Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	PAFAH1B1 platelet-activating factor acetylhydrolase 1b, regulatory subunit 1 (45kDa) [Homo sapiens (human)]
Official Symbol	PAFAH1B1
Synonyms	PAFAH1B1; platelet-activating factor acetylhydrolase 1b, regulatory subunit 1 (45kDa); MDS; LIS1; LIS2; MDCR; PAFAH; platelet-activating factor acetylhydrolase IB subunit alpha; LIS-1; PAFAH alpha; PAF-AH alpha; PAF-AH 45 kDa subunit; lissencephaly 1 protein; lissencephaly-1 protein; PAF acetylhydrolase 45 kDa subunit; platelet-activating factor acetylhydrolase, isoform Ib, subunit 1 (45kDa); platelet-activating factor acetylhydrolase, isoform Ib, alpha subunit (45kD);
Entrez Gene ID	5048
Protein Refseq	NP_000421
UniProt ID	P43034
Chromosome Location	17p13.3
Pathway	Cell Cycle; Centrosome maturation; Ether lipid metabolism; Lissencephaly gene (LIS1) in neuronal migration and development
Function	dynactin binding; dynein binding; dynein intermediate chain binding; heparin binding