



Human PAFAH1B1 blocking peptide (CDBP1764)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-LIS1/PAFAH1B1 antibody
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 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]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

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
mRNA Refseq	NM_000430.3
Protein Refseq	NP_000421.1
UniProt ID	P43034
Chromosome Location	17p13.3
Pathway	Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Centrosome maturation, organism-specific biosystem; Ether lipid metabolism, organism-specific biosystem; Ether lipid metabolism, conserved biosystem; G2/M Transition, organism-specific biosystem; Lissencephaly gene (LIS1) in neuronal migration and development, organism-specific biosystem; Loss of Nlp from mitotic centrosomes, organism-specific biosystem; Loss of proteins required for interphase microtubule
Function	dynactin binding; dynein binding; dynein intermediate chain binding; heparin binding; microtubule binding; phospholipase binding; phosphoprotein binding; protein binding; protein homodimerization activity;