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Datasheet for ABIN500180

## anti-PAFAH1B1 antibody (C-Term)

### 2 Images

#### Overview

Quantity:	0.1 mg
Target:	PAFAH1B1
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PAFAH1B1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Enzyme Immunoassay (EIA)

#### Product Details

Immunogen:	LIS1 antibody was raised against a 14 amino acid peptide from near the carboxy terminus of human LIS1.
Isotype:	IgG
Specificity:	This antibody detects PAFAH1B1 / LIS1.
Purification:	Peptide affinity chromatography

#### Target Details

Target:	PAFAH1B1
Alternative Name:	PAFAH1B1 / LIS1 ( <a href="#">PAFAH1B1 Products</a> )
Background:	Lissencephaly is a severe brain developmental disease characterized by the mislocalization of

## Target Details

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cortical neurons, a smooth cerebral surface, mental retardation, and seizures. Classical lissencephaly is caused by sporadic mutations in the LIS1 gene. While LIS1 is known to act in a pathway deactivating the lipid messenger platelet-activating factor, LIS1 forms a complex with Nudel and 14-3-3e which is then transported from neuronal cell bodies through the actions of DISC1 and KIF5A, a microtubule-dependent directed motor protein kinesin. Decreased expression of LIS1 blocked neural stem cell division, morphogenesis, and motility, suggesting that LIS1 plays an important role in neuronal cell proliferation and localization in the developing brain. At least two isoforms of LIS1 are known to exist. Synonyms: LIS-1, Lissencephaly-1 protein, MDCR, MDS, PAF acetylhydrolase 45 kDa subunit, PAF-AH alpha, PAFAH alpha, PAFAHA, Platelet-activating factor acetylhydrolase IB subunit alpha

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Gene ID: 5048

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UniProt: [P43034](#)

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Pathways: [M Phase](#), [Regulation of Cell Size](#)

## Application Details

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Application Notes: ELISA. Western blot: 0.5 - 1 µg/mL. Immunofluorescence.  
Other applications not tested.  
Optimal dilutions are dependent on conditions and should be determined by the user.

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Restrictions: For Research Use only

## Handling

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Buffer: PBS containing 0.02 % sodium azide as preservative

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Preservative: Sodium azide

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Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Handling Advice: Avoid repeated freezing and thawing.

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Storage: 4 °C

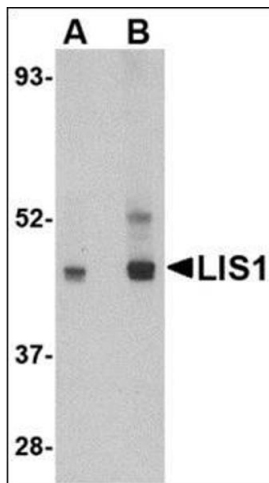
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Storage Comment: Store at 2 - 8 °C.



### Immunofluorescence

**Image 1.** Immunocytochemistry of LIS1 in Jurkat cells with this product at 2.5 µg/ml.



### Western Blotting

**Image 2.** Western blot analysis of LIS1 in HeLa cell lysate AP30511PU-N at (A) 0.5 and (B) 1 µg/ml.