

For Research Use Only

# PELI1 Polyclonal antibody

Catalog Number: 12053-1-AP

Featured Product

5 Publications



## Basic Information

### Catalog Number:

12053-1-AP

### Size:

150ul, Concentration: 500 ug/ml by Nanodrop and 347 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG2683

### GenBank Accession Number:

BC011419

### GeneID (NCBI):

57162

### UNIPROT ID:

Q96FA3

### Full Name:

pellino homolog 1 (Drosophila)

### Calculated MW:

418 aa, 46 kDa

### Observed MW:

46-53 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

## Applications

### Tested Applications:

WB, IP, IHC, ELISA

### Cited Applications:

WB, IHC

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse

### Positive Controls:

WB : THP-1 cells,

IP : SH-SY5Y cells,

IHC : mouse brain tissue,

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

PELI1 encodes pellino-1, an E3 ubiquitin-protein ligase pellino homolog. E3 ubiquitin ligase functions by catalyzing the covalent attachment of ubiquitin moieties onto substrate proteins. Pellino-1 is involved in the TLR and IL-1 signaling pathways via interaction with the complex containing IRAK kinases and TRAF6. Pellino-1 can mediate 'Lys-63'-linked polyubiquitination of IRAK1 allowing subsequent NF-kappa-B activation thus playing a role in cellular inflammation. This antibody may cross react with Pellino-3.

## Notable Publications

Author	Pubmed ID	Journal	Application
Jing Xu	33017390	PLoS Biol	WB
Tingting Zheng	34991623	J Transl Med	IHC
Dan Li	32321315	Autoimmunity	WB

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

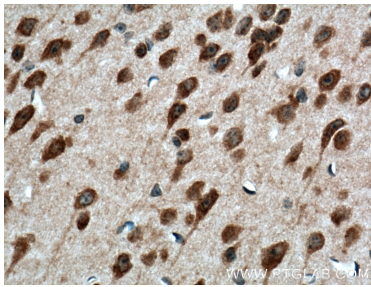
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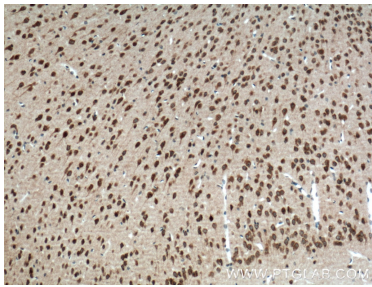
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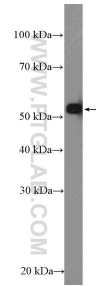
Selected Validation Data



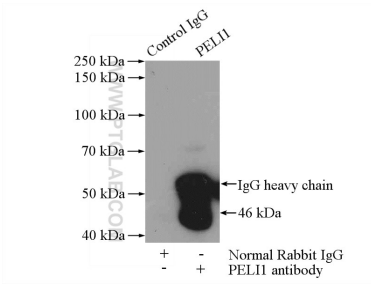
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 12053-1-AP (PELI 1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 12053-1-AP (PELI 1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



THP-1 cells were subjected to SDS PAGE followed by western blot with 12053-1-AP (PELI 1 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



IP result of anti-PELI 1 (IP:12053-1-AP, 4ug; Detection:12053-1-AP 1:300) with SH-SY5Y cells lysate 3000ug.