

For Research Use Only

# PELI1 Polyclonal antibody

Catalog Number: 12053-1-AP

Featured Product

4 Publications



## Basic Information

**Catalog Number:**

12053-1-AP

**Size:**

500 µg/ml

**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 µg for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

## Applications

**Tested Applications:**

IHC, IP, WB, ELISA

**Cited Applications:**

WB, IHC

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human, mouse

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

**Positive Controls:**

WB : THP-1 cells,

IP : SH-SY5Y cells,

IHC : mouse brain tissue,

## 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

For technical support and original validation data for this product please contact:

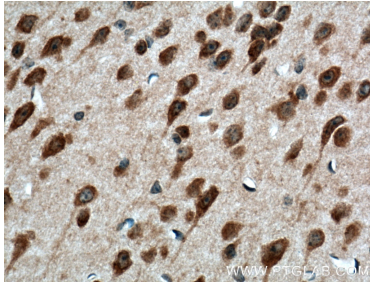
T: 4006900926

E: Proteintech-CN@ptglab.com

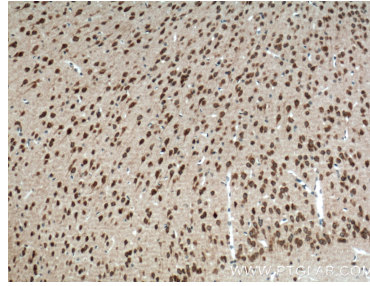
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

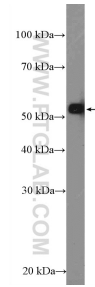
## Selected Validation Data



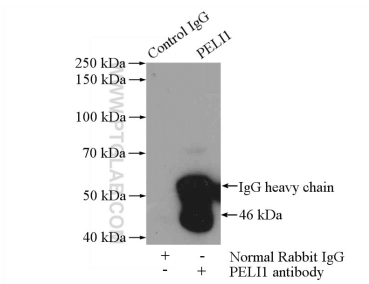
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 12053-1-AP (PEL1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 12053-1-AP (PEL1 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 (PEL1 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



IP result of anti-PEL1 (IP:12053-1-AP, 4ug; Detection:12053-1-AP 1:300) with SH-SY5Y cells lysate 3000ug.