

For Research Use Only

PELI1 Polyclonal antibody

Catalog Number: 12053-1-AP

Featured Product

4 Publications



Basic Information

Catalog Number:
12053-1-AP

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

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG2683

GenBank Accession Number:
BC011419

GeneID (NCBI):
57162

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 IP and 1:200-1:1000 for WB
IHC 1:50-1:500

Applications

Tested Applications:
IHC, IP, WB, ELISA

Cited Applications:
IHC, WB

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

*** 20ul sizes contain 0.1% BSA

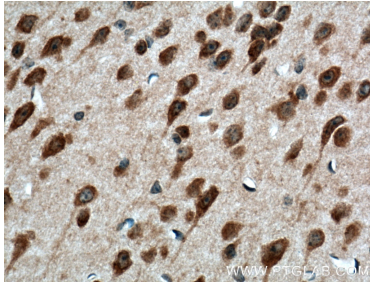
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

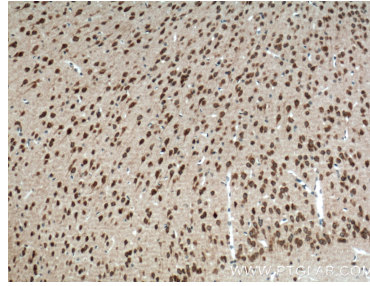
E: proteintech@ptglab.com
W: ptglab.com

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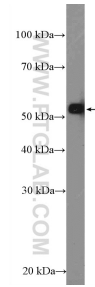
Selected Validation Data



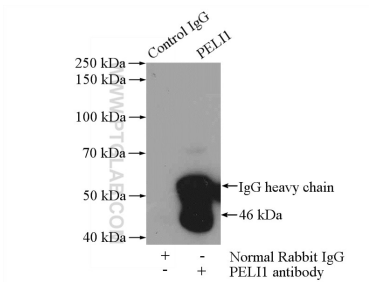
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 12053-1-AP (PEL1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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.