For Research Use Only

CDKL5 Polyclonal antibody

Catalog Number:12973-1-AP 3 Publications

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Basic Information

Catalog Number:
12973-1-AP

Size:
150ul , Concentration: 850 ug/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG3531

GenBank Accession Number:
BC036091

GeneID (NCBI):
6792

UNIPROT ID:
O76039

Full Name:
cyclin-dependent kinase-like 5

Calculated MW:
1030 aa, 114 kDa

Observed MW:
100-110 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB: 1:500-1:2000
IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

Applications

Tested Applications:
WB, IP, ELISA

Cited Applications:
WB, IF

Species Specificity:
human, mouse, rat

Cited Species:
human, mouse

Positive Controls:

WB : HEK-293 cells, HepG2 cells, PC-12 cells, SH-SY5Y cells, HeLa cell

IP : mouse brain tissue,

Background Information

Cyclin dependent kinase like 5 (CDKL5) may regulate ciliogenesis and neuronal morphogenesis. It has been reported that CDKL5 is associated with epileptic seizures, severe intellectual disability, and autistic features. The CDKL5 protein is a kinase that regulates key phosphorylation events vital to the development of the complex neuronal network of the brain.

Notable Publications

Author	Pubmed ID	Journal	Application
Alessia Di Nardo	34624412	Neurosci Res	WB,IF
Serena Baldin	40847610	FEBS J	WB
Hanzhe Kuang	37980560	Cell Rep	WB

Storage

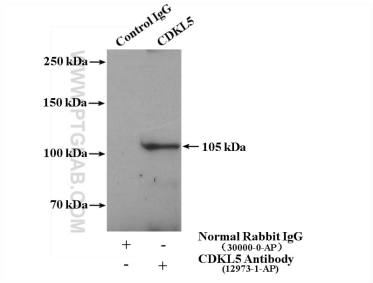
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

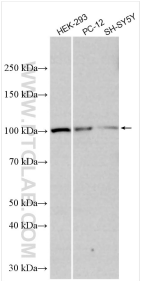
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

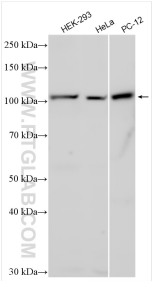
Selected Validation Data



IP result of anti-CDKL5 (IP:12973-1-AP, 4ug; Detection:12973-1-AP 1:300) with mouse brain tissue lysate 3200 ug.



Various lysates were subjected to SDS PAGE followed by western blot with 12973-1-AP (CDKL5 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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