

For Research Use Only

CDKL5 Polyclonal antibody

Catalog Number: 12973-1-AP **2 Publications**



Basic Information

Catalog Number: 12973-1-AP	GenBank Accession Number: BC036091	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 850 µg/ml by Nanodrop and 387 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 6792	Recommended Dilutions: WB 1:500-1:2000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
Source: Rabbit	Full Name: cyclin-dependent kinase-like 5	
Isotype: IgG	Calculated MW: 1030 aa, 114 kDa	
Immunogen Catalog Number: AG3531	Observed MW: 100-110 kDa	

Applications

Tested Applications: IP, WB, ELISA	Positive Controls:
Cited Applications: IF, WB	WB : HEK-293 cells, HepG2 cells, PC-12 cells, SH-SY5Y cells, HeLa cell
Species Specificity: human, mouse	IP : mouse brain tissue,
Cited Species: human, mouse	

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
Hanzhe Kuang	37980560	Cell Rep	WB

Storage

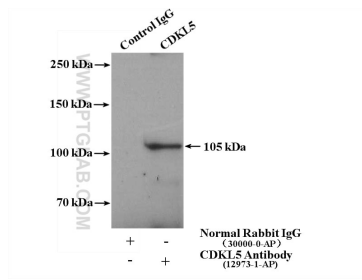
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

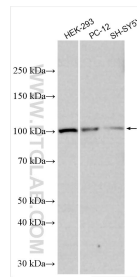
For technical support and original validation data for this product please contact:
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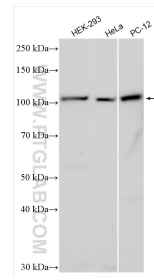
Selected Validation Data



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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