

For Research Use Only

DYRK1A Polyclonal antibody

Catalog Number: 28607-1-AP



Basic Information

Catalog Number: 28607-1-AP	GenBank Accession Number: NM_001396	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 1859	Recommended Dilutions: WB 1:1000-1:4000
Source: Rabbit	Full Name: dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1A	
Isotype: IgG	Calculated MW: 86 kDa	
Immunogen Catalog Number: AG29433	Observed MW: 70kDa, 85 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : PC-3 cells, HEK-293 cells
Species Specificity: Human	

Background Information

This gene encodes a member of the Dual-specificity tyrosine phosphorylation-regulated kinase (DYRK) family. This member contains a nuclear targeting signal sequence, a protein kinase domain, a leucine zipper motif, and a highly conservative 13-consecutive-histidine repeat. It catalyzes its autophosphorylation on serine/threonine and tyrosine residues. It may play a significant role in a signaling pathway regulating cell proliferation and may be involved in brain development. This gene is a homolog of *Drosophila mnb* (minibrain) gene and rat *Dyrk* gene. It is localized in the Down syndrome critical region of chromosome 21, and is considered to be a strong candidate gene for learning defects associated with Down syndrome.

Storage

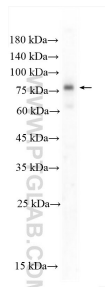
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

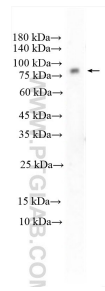
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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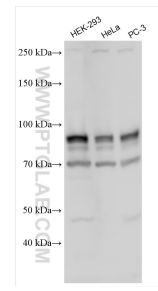
Selected Validation Data



HEK-293 cells were subjected to SDS PAGE followed by western blot with 28607-1-AP (DYRK1A antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



PC-3 cells were subjected to SDS PAGE followed by western blot with 28607-1-AP (DYRK1A antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 28607-1-AP (DYRK1A antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.