

For Research Use Only

# DYRK1A Polyclonal antibody

Catalog Number: 28607-1-AP



## Basic Information

<b>Catalog Number:</b> 28607-1-AP	<b>GenBank Accession Number:</b> NM_001396	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 1859	<b>Recommended Dilutions:</b> WB 1:1000-1:4000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q13627	
<b>Isotype:</b> IgG	<b>Full Name:</b> dual-specificity tyrosine-(Y)- phosphorylation regulated kinase 1A	
<b>Immunogen Catalog Number:</b> AG29433	<b>Calculated MW:</b> 86 kDa	
	<b>Observed MW:</b> 70kDa, 85 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : PC-3 cells, HEK-293 cells
<b>Species Specificity:</b> 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.

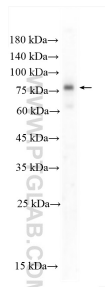
## Storage

**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

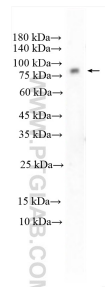
For technical support and original validation data for this product please contact:  
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

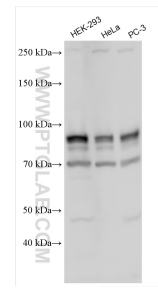
## Selected Validation Data



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.