

For Research Use Only

# DYRK1B Polyclonal antibody

Catalog Number: 12240-1-AP

1 Publications



## Basic Information

Catalog Number:

12240-1-AP

Size:

150ul, Concentration: 300 ug/ml by Nanodrop and 287 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2883

GenBank Accession Number:

BC018751

GeneID (NCBI):

9149

UNIPROT ID:

Q9Y463

Full Name:

dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1B

Calculated MW:

629 aa, 69 kDa

Observed MW:

57 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

## Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human

Positive Controls:

WB: mouse testis tissue, HeLa cells, human colon tissue, human heart tissue, mouse skeletal muscle tissue

## Background Information

DYRK1B(dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1B) is also named as MINK. It is a member of the dyrk/minibrain family of serine/threonine kinases that mediate the transition from growth to differentiation in lower eukaryotes and mammals(PMID:15546868). DYRK1B functions as a transcriptional coactivator that is activated by co-expressed MKK3, a MAP kinase that also can activate p38 MAP kinase(PMID:14500717). The DYRK1B splice variants found in each muscle tissue exhibit approximate molecular weights of 70 and 75 kDa(PMID:12902328). It has 3 isoforms produced by alternative splicing of the molecular weight of 65-69 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yan Zeng	25696812	Am J Physiol Cell Physiol	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

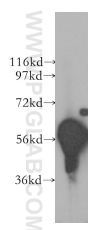
For technical support and original validation data for this product please contact:

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

E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

## Selected Validation Data



mouse testis tissue were subjected to SDS PAGE followed by western blot with 12240-1-AP (DYRK1B antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.