

For Research Use Only

# DYRK1B Polyclonal antibody

Catalog Number: 12240-1-AP **1 Publications**



## Basic Information

**Catalog Number:**

12240-1-AP

**Size:**

300 µg/ml

**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 MIRK. 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

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

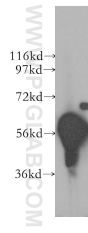
T: 4006900926

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



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.