For Research Use Only

DYRK1B Polyclonal antibody

Catalog Number:12240-1-AP 1 Publications

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Basic Information

Catalog Number:
12240-1-AP

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

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG2883

GenBank Accession Number:
BC018751

GeneID (NCBI):
9149

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

*** 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
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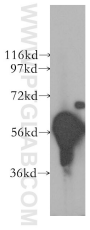
Selected Validation Data



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.