

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

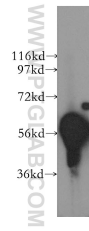
For technical support and original validation data for this product please contact:

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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.