

DYRK1B Polyclonal Antibody

Catalog number: 12240-1-AP

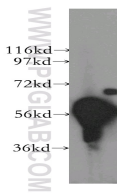
Size: 43 µg/150 µl

Source: Rabbit

Isotype: IgG

Synonyms:

DYRK1B; DYRK1B, Minibrain related kinase, MIRK, Mirk protein kinase



mouse testis tissue were subjected to SDS PAGE followed by western blot with 12240-1-AP(DYRK1B antibody) at dilution of 1:500

Background

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.

Applications

Tested applications:	ELISA, WB
Cited applications:	WB
Species specificity:	Human,Mouse,Rat; other species not tested.
Cited species:	Human
Calculated DYRK1B MW:	629aa,69 kDa
Observed DYRK1B MW:	57 kDa
Positive WB detected in	Mouse testis tissue, HeLa cells, human colon tissue, human heart tissue, mouse skeletal muscle tissue
Recommended dilution:	WB: 1:1000-1:10000

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag2883
GenBank accession number:	BC018751
Gene ID (NCBI):	9149
Full name:	Dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1B

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.