DYRK1A/B (Phospho Tyr321/273) Rabbit pAb

CatalogNo: YP1664

Key Features

Host Species
- Rabbit

Reactivity
- Human,Mouse,Rat

Applications
- WB

MW
- 84kD (Calculated)

Isotype
- IgG

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-2000

Basic Information

Clonality	Polyclonal

Immunogen Information

Immunogen	Synthesized peptide derived from human DYRK1A/B (Phospho-Tyr321/273)
Specificity	This antibody detects endogenous levels of DYRK1A only when phosphorylated at Thr321 and DYRK1B only when phosphorylated at thr273..The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):YQyIQ

Target Information

Gene name DYRK1A DYRK MNB MNBH

Protein Name DYRK1A/B (Phospho-Tyr321/273)

Organism	Gene ID	UniProt ID
Human	1859;	Q13627;
Mouse	13548;	Q61214;
Rat	25255;	Q63470;

Cellular Localization Nucleus . Nucleus speckle .

Tissue specificity Ubiquitous. Highest levels in skeletal muscle, testis, fetal lung and fetal kidney.

Function Alternative products:Additional isoforms seem to exist,Catalytic activity:ATP + a protein = ADP + a phosphoprotein.,developmental stage:Expressed in the developing central nervous system.,Disease:Overexpressed 1.5-fold in fetal Down syndrome brain.,enzyme regulation:Inhibited by RANBP9.,Function:May play a role in a signaling pathway regulating nuclear functions of cell proliferation. Phosphorylates serine, threonine and tyrosine residues in its sequence and in exogenous substrates.,PTM:Autophosphorylated on tyrosine residues.,similarity:Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. MNB/DYRK subfamily.,similarity:Contains 1 protein kinase domain.,subunit:Interacts RAD54L2/ARIP4 (By similarity). Interacts with RANBP9.,tissue specificity:Ubiquitous. Highest levels in skeletal muscle, testis, fetal lung and fetal kidney.,

Validation Data

Contact information

Orders: order.cn@immunoway.com
Support: support.cn@immunoway.com
Telephone: 400-8787-807(China)
Website: http://www.immunoway.com.cn
Address: 2200 Ringwood Ave San Jose, CA 95131 USA

Please scan the QR code to access additional product information: **DYRK1A/B (Phospho Tyr321/273) Rabbit pAb**