DYRK2/4 (Phospho Tyr382/264) Rabbit pAb

CatalogNo: YP1736

Key Features

Host Species	Reactivity	Applications
• Rabbit	• Human,Mouse,Rat	• WB

MW	Isotype
• 66kD (Calculated)	• 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 DYRK2/4 (Phospho-Tyr382/264)
Specificity	This antibody detects endogenous levels of DYRK2/4 only when phosphorylated at Tyr382/264..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 When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports.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):YTyQS

Target Information

Gene name DYRK2

Protein Name DYRK2/4 (Phospho-Tyr382/264)

Organism	Gene ID	UniProt ID
Human	8445;	Q92630;
Mouse	69181;	Q5U4C9;

Cellular Localization Cytoplasm. Nucleus. Translocates into the nucleus following DNA damage.

Tissue specificity Testis, after the onset of spermatogenesis.

Function Catalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Magnesium.,cofactor:Manganese.,enzyme regulation:Autophosphorylates on tyrosine residues.,Function:Role in the regulation of cellular growth and/or development. Regulates TP53 by phosphorylation on Ser-46 to induce apoptosis in response to DNA damage, functioning downstream of ATM. Inactivates GYS1 by phosphorylation at Ser-641, and potentially also a second phosphorylation site, thus regulating glycogen synthesis. Phosphorylates EIF2B5 at Ser-544, enabling its subsequent phosphorylation and inhibition by GSK3, and may play a more general role in the priming of GSK3 substrates.,PTM:Phosphorylated on serine/threonine residues.,similarity:Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. MNB/DYRK subfamily.,similarity:Contains 1 protein kinase domain.,subcellular location:Translocates into the nucleus following DNA damage.,tissue specificity:Testis, after the onset of spermatogenesis.,

Validation Data

Contact information

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Please scan the QR code to access additional product information: **DYRK2/4 (Phospho Tyr382/264) Rabbit pAb**