

DYRK2 Antibody

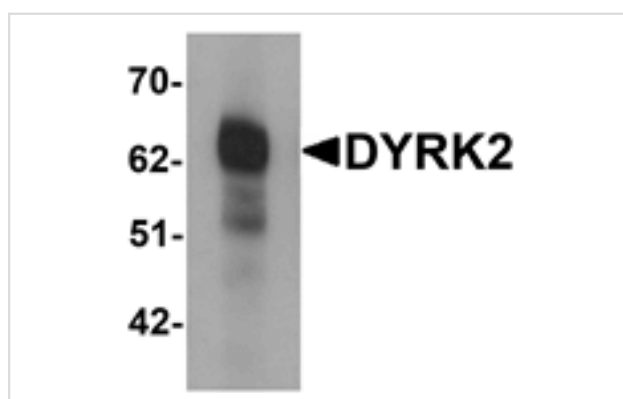
Catalog No: #25289

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Description

Product Name	DYRK2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB
Species Reactivity	Hu
Specificity	Two isoforms of DYRK2 are known to exist; this antibody will recognize both isoforms. DYRK2 antibody will not cross-react with other DYRK family members.
Immunogen Type	Peptide
Immunogen Description	Raised against an 18 amino acid peptide near the carboxy terminus of human DYRK2.
Target Name	DYRK2
Other Names	Dual-specificity tyrosine phosphorylation-regulated kinase 2
Accession No.	Swiss-Prot:Q92630Gene ID:8445
Uniprot	Q92630
GeneID	8445;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Images



Western blot analysis of DYRK2 in 293 cell lysate with DYRK2 antibody at (A) 1 and (B) 2 ug/mL.

Background

DYRK2 is a member of the dual-specificity tyrosine phosphorylation-regulated kinase (DYRK) family that is thought to be involved in cellular proliferation and apoptosis. Under normal conditions, nuclear but not cytoplasmic DYRK2 is ubiquitinated by MDM2, leading to its constitutive degradation. However, upon exposure to genotoxic stress, ATM phosphorylates DYRK2, leading to its dissociation from MDM2 and its phosphorylation of p53, thereby inducing apoptosis. Recent evidence also suggests that DYRK2 may serve as a scaffold that facilitates assembly of an E3 ubiquitin ligase.

Note: This product is for in vitro research use only