

## DYRK1A Antibody

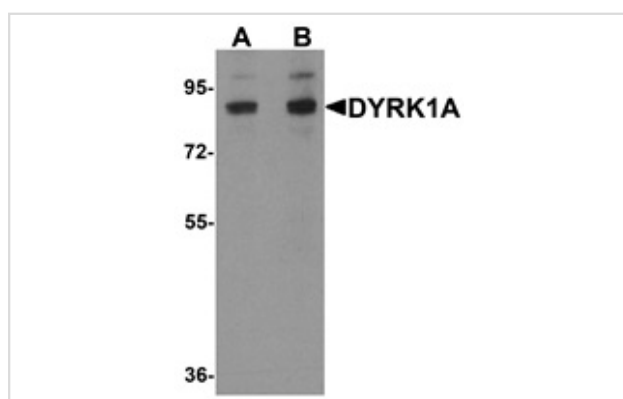
Catalog No: #25288

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

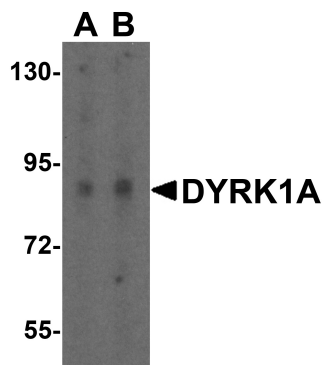
## Description

Product Name	DYRK1A Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB
Species Reactivity	Hu Ms Rt
Specificity	Multiple isoforms of DYRK1A are known to exist. DYRK1A antibody will not cross-react with other DYRK family members
Immunogen Type	Peptide
Immunogen Description	Raised against a 17 amino acid peptide near the carboxy terminus of human DYRK1A.
Target Name	DYRK1A
Other Names	Dual-specificity tyrosine phosphorylation-regulated kinase 1A, MNB, MNBH, HP86
Accession No.	Swiss-Prot:Q13627Gene ID:1859
Uniprot	Q13627
GeneID	1859;
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 DYRK1A in HeLa cell lysate with DYRK1A antibody at (A) 1 and (B) 2 ug/mL.



Western blot analysis of DYRK1A in HeLa cell lysate with DYRK1A antibody at (A) 1 and (B) 2  $\mu\text{g/mL}$ .

## Background

DYRK1A is a member of the dual-specificity tyrosine phosphorylation-regulated kinase (DYRK) family and is thought to be involved in neuronal differentiation, neurodegenerative diseases, and is considered to be a strong candidate gene for learning defects associated with Down syndrome. DYRK1A phosphorylates several transcription factors such as p53, leading to inhibition of embryonic neuronal cell proliferation. DYRK1A associates with multiple proteins, including SPRED1 and SPRED2; this association appears to inhibit the phosphorylation activity of DYRK1A. Recent evidence also suggests that DYRK1A may be involved in the replication of HIV-1.

Note: This product is for in vitro research use only