

Datasheet for ABIN6991514
anti-DYRK1A antibody (C-Term)



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Overview

Quantity:	0.1 mg
Target:	DYRK1A
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DYRK1A antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC)

Product Details

Immunogen:	DYRK1A antibody was raised against a 17 amino acid synthetic peptide near the carboxy terminus of human DYRK1A. The immunogen is located within the last 50 amino acids of DYRK1A.
Isotype:	IgG
Specificity:	Multiple isoforms of DYRK1A are known to exist. DYRK1A antibody will not cross-react with other DYRK family members
Purification:	DYRK1A Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	DYRK1A
Alternative Name:	DYRK1A (DYRK1A Products)

Target Details

Background:	DYRK1A Antibody: 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.
Molecular Weight:	Predicted: 84 kDa Observed: 90 kDa
Gene ID:	1859
NCBI Accession:	NP_001387
UniProt:	Q13627
Pathways:	Mitotic G1-G1/S Phases

Application Details

Application Notes:	DYRK1A antibody can be used for detection of DYRK1A by Western blot at 1 - 2 µg/mL. Antibody can also be used for immunocytochemistry starting at 10 µg/mL. Antibody validated: Western Blot in human samples and Immunocytochemistry in human samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	DYRK1A Antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage: -20 °C, 4 °C

Storage Comment: DYRK1A antibody can be stored at 4°C for three months and -20°C, stable for up to 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.