

Datasheet for ABIN2782363
anti-DYRK1A antibody (N-Term)



[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	DYRK1A
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Rabbit, Cow, Guinea Pig, Horse, Dog, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DYRK1A antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human DYRK1A
Sequence:	INEVYYAKKK RRHQGGQGGD SSHKKERKVY NDGYDDDNVD YIVKNGEKWM
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 93%
Characteristics:	This is a rabbit polyclonal antibody against DYRK1A. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	DYRK1A
---------	--------

Target Details

Alternative Name:	DYRK1A (DYRK1A Products)
Background:	This gene encodes a member of the Dual-specificity tyrosine phosphorylation-regulated kinase (DYRK) family. This member contains a nuclear targeting signal sequence, a protein kinase domain, a leucine zipper motif, and a highly conservative 13-consecutive-histidine repeat. It catalyzes its autophosphorylation on serine/threonine and tyrosine residues. It may play a significant role in a signaling pathway regulating cell proliferation and may be involved in brain development. This gene is a homolog of Drosophila mnb (minibrain) gene and rat Dyrg gene. It is localized in the Down syndrome critical region of chromosome 21, and is considered to be a strong candidate gene for learning defects associated with Down syndrome. Alternative splicing of this gene generates several transcript variants differing from each other either in the 5' UTR or in the 3' coding region. These variants encode at least five different isoforms. Alias Symbols: DYRK, DYRK1, HP86, MNB, MNBH, MRD7 Protein Interaction Partner: SUMO1, UBC, CCDC8, FAM117A, FAM53C, SIPA1L1, DCAF7, TROAP, KIAA0232, DYNLL1, RBL2, RBL1, RB1, ABCD3, PRKAR1A, FNTB, FNTA, EP300, DYRK1A, CREBBP, CCNA2, RNF169, FAM117B, DYNLL2, GLCCI1, PPP1R3F, LZTS2, PRKACB, PRKACA, TRAF3, BARD1, SNCA, MAP3K5, APP, SMAD3 Protein Size: 763
Molecular Weight:	85 kDa
Gene ID:	1859
NCBI Accession:	NM_001396 , NP_001387
UniProt:	Q13627
Pathways:	Mitotic G1-G1/S Phases

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 763 AA
Restrictions:	For Research Use only

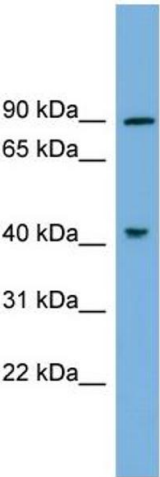
Handling

Format:	Liquid
Concentration:	Lot specific

Handling

Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
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 Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-DYRK1A Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: ACHN cell lysate