

Datasheet for ABIN391799
anti-DYRK1A antibody (AA 389-418)[Go to Product page](#)

1 Image

Overview

Quantity:	400 µL
Target:	DYRK1A
Binding Specificity:	AA 389-418
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DYRK1A antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This DYRK1A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 389-418 amino acids from the Central region of human DYRK1A.
Clone:	RB12637
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	DYRK1A
Alternative Name:	DYRK1A (DYRK1A Products)
Background:	DYRK1A is a member of the Dual-specificity tyrosine phosphorylation-regulated kinase (DYRK)

Target Details

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 *Dyrk* 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.

Molecular Weight: 85584

Gene ID: 1859

NCBI Accession: [NP_001387](#), [NP_567824](#), [NP_569120](#), [NP_569122](#)

UniProt: [Q13627](#)

Pathways: [Mitotic G1-G1/S Phases](#)

Application Details

Application Notes: WB: 1:2000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

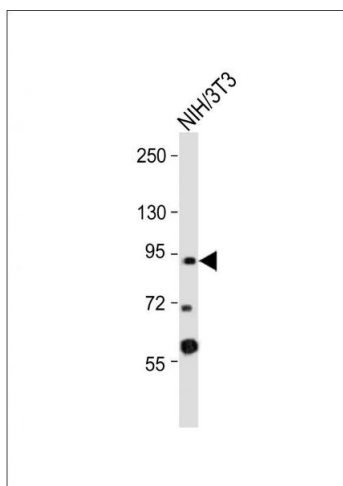
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months



Western Blotting

Image 1. Anti-DYRK1A Antibody (Center) at 1:2000 dilution + NIH/3T3 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 86 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.