

Datasheet for ABIN783434

anti-DYRK1A antibody (C-Term)



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1 Image

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), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	17 amino acid peptide near the carboxy terminus of human DYRK1A
Specificity:	This antibody detects DYRK1A at C-term. Multiple isoforms of DYRK1A are known to exist. DYRK1A antibody will not cross-react with other DYRK family members.
Cross-Reactivity (Details):	Species reactivity (tested): Human, mouse, rat
Purification:	Affinity chromatography purified via peptide column

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 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. Synonyms: DYRK, Dual specificity YAK1-related kinase, Dual specificity tyrosine-phosphorylation-regulated kinase 1A, HP86, MNB, MNBH, Protein kinase minibrain homolog

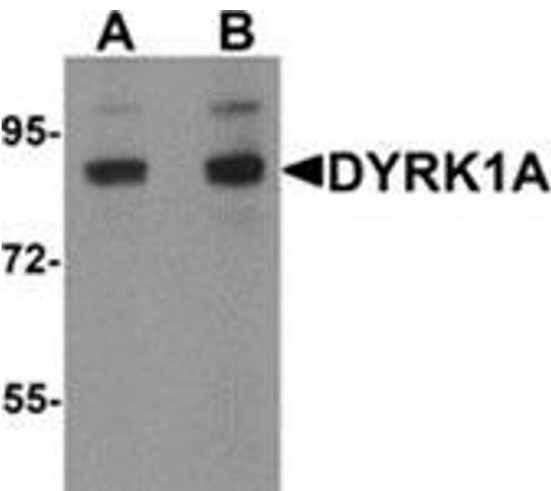
Gene ID:	1859
NCBI Accession:	NP_001387
UniProt:	Q13627
Pathways:	Mitotic G1-G1/S Phases

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Buffer:	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 Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 2 - 8 °C for up to three months or (in aliquots) at -20 °C for longer.



Western Blotting

Image 1. Western blot analysis of DYRK1A in HeLa cell lysate with DYRK1A antibody at (A) 1 and (B) 2 µg/ml.