

Datasheet for ABIN391798  
**anti-DYRK1A antibody (N-Term)**

## 2 Images

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## Overview

Quantity:	400 µL
Target:	DYRK1A
Binding Specificity:	AA 107-136, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DYRK1A antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	This DYRK1A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 107-136 amino acids from the N-terminal region of human DYRK1A.
Clone:	RB13055
Isotype:	Ig Fraction
Predicted Reactivity:	Rat, X
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

## Target Details

Target:	DYRK1A
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## Target Details

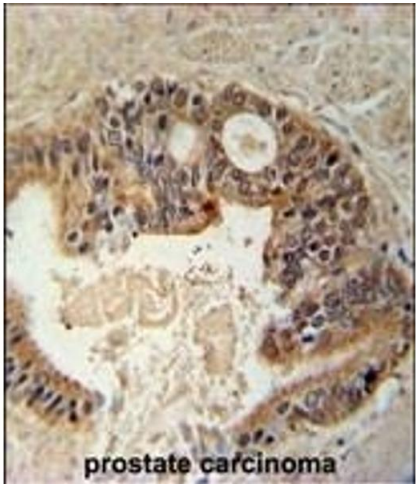
Alternative Name:	DYRK1A ( <a href="#">DYRK1A Products</a> )
Background:	DYRK1A is a member of the Dual-specificity tyrosine phosphorylation-regulated kinase (DYRK) family. This member contains a nuclear targeting signal sequence, a protein kinase domain, a leucine zipper motif, and a highly conservative 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. The DYRK1A gene is a homolog of Drosophila mnbl (minibrain) gene and rat Dyk 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:	<a href="#">NP_001387</a> , <a href="#">NP_567824</a> , <a href="#">NP_569120</a> , <a href="#">NP_569122</a>
UniProt:	<a href="#">Q13627</a>
Pathways:	<a href="#">Mitotic G1-G1/S Phases</a>

## Application Details

Application Notes:	WB: 1:500-1:2000. IHC-P: 1:50~100
Restrictions:	For Research Use only

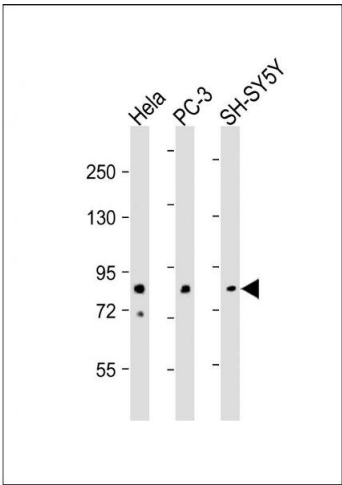
## Handling

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



**Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** DYRK1A Antibody (N-term) (ABIN391798 and ABIN2841652) immunohistochemistry analysis in formalin fixed and paraffin embedded human prostate carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the DYRK1A Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



**Western Blotting**

**Image 2.** All lanes : Anti-DYRK1A Antibody (N-term) at 1:500-1:2000 dilution Lane 1: HeLa whole cell lysate Lane 2: PC-3 whole cell lysate Lane 3: SH-SY5Y 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.