



Datasheet for ABIN3030777
anti-DYRK1A antibody (AA 107-136)



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3 Images

Overview

Quantity:	0.4 mL
Target:	DYRK1A
Binding Specificity:	AA 107-136
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DYRK1A antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	A portion of amino acids 107-136 from the human protein was used as the immunogen for this DYRK1A antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Mouse, Rat, Xenopus
Purification:	Purified

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. The DYRK1A 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.

UniProt: [Q13627](#)

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

Application Details

Application Notes: Titration of the DYRK1A antibody may be required due to differences in protocols and secondary/substrate sensitivity. Western blot: 1:2000, IHC (Paraffin): 1:50-1:100

Restrictions: For Research Use only

Handling

Format: Liquid

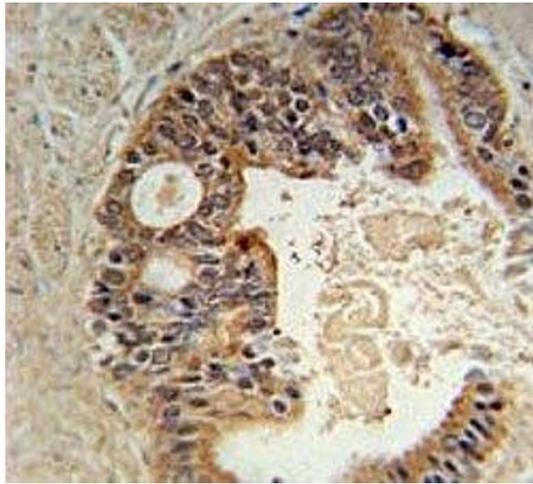
Buffer: In 1X PBS, pH 7.4, with 0.09 % sodium azide

Preservative: Sodium azide

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

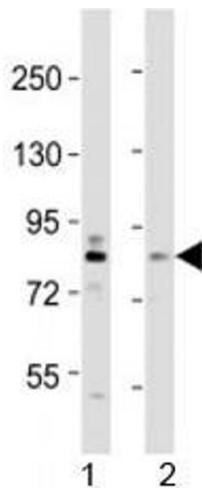
Storage: -20 °C

Storage Comment: Aliquot the DYRK1A antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



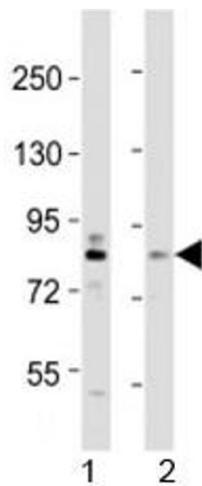
Immunohistochemistry

Image 1. DYRK1A Antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human prostate carcinoma.



Western Blotting

Image 2. Western blot testing of DYRK1A antibody at 1:2000 dilution. Lane 1: mouse brain lysate; 2: HeLa lysate; Predicted molecular weight ~ 85 kDa.



Western Blotting

Image 3. Western blot testing of DYRK1A antibody at 1:2000 dilution. Lane 1: mouse brain lysate