

# DYRK1B Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)  
Catalog # AP7538b

## Product Information

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<b>Application</b>	WB, IHC-P, E
<b>Primary Accession</b>	<a href="#">Q9Y463</a>
<b>Reactivity</b>	Human, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Antigen Region</b>	561-589

## Additional Information

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<b>Other Names</b>	Dual specificity tyrosine-phosphorylation-regulated kinase 1B, Minibrain-related kinase, Mirk protein kinase, DYRK1B, MIRK
<b>Target/Specificity</b>	This DYRK1B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 561-589 amino acids from the C-terminal region of human DYRK1B.
<b>Dilution</b>	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	DYRK1B Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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### Background

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DYRK1B is a member of the DYRK family of protein kinases. DYRK1B contains a bipartite nuclear localization signal and is found mainly in muscle and testis. The protein is proposed to be involved in the regulation of nuclear functions. Three isoforms of DYRK1B have been identified differing in the presence of two alternatively spliced exons within the catalytic domain.

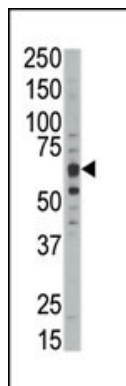
### References

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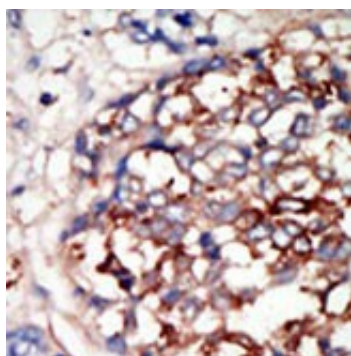
Lim, S., et al., J. Biol. Chem. 277(51):49438-49445 (2002).  
Lim, S., et al., J. Biol. Chem. 277(28):25040-25046 (2002).  
Lee, K., et al., Cancer Res. 60(13):3631-3637 (2000).  
Leder, S., et al., Biochem. Biophys. Res. Commun. 254(2):474-479 (1999).

## Images

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Western blot analysis of anti-DYRKB Pab (Cat. #AP7538b) in mouse kidney tissue lysate. DYRKB (Arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.



Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.

## Citations

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- [Negative feedback Inhibition of NFATc1 by DYRK1A regulates bone homeostasis.](#)
- [Involvement of GSK-3beta and DYRK1B in differentiation-inducing factor-3-induced phosphorylation of cyclin D1 in HeLa cells.](#)
- [The involvement of FoxO in cell survival and chemosensitivity mediated by Mirk/Dyrk1B in ovarian cancer.](#)
- [Mirk/Dyrk1B mediates G0/G1 to S phase cell cycle progression and cell survival involving MAPK/ERK signaling in human cancer cells.](#)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.