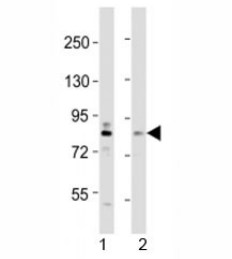
DYRK1A Antibody (F50504)

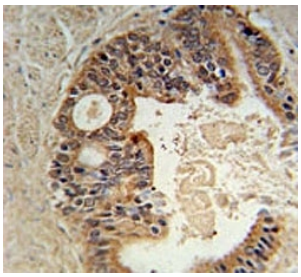
Catalog No.	Formulation	Size
F50504-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F50504-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse
Predicted Reactivity	Mouse, Rat, Xenopus
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	Q13627
Applications	Western blot: 1:2000 IHC (Paraffin): 1:50-1:100
Limitations	This DYRK1A antibody is available for research use only.



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



DYRK1A Antiboty immunohistochemistry analysis in formalin fixed and paraffin embedded human prostate carcinoma.

Description

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 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.

Application Notes

Titration of the DYRK1A antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 107-136 from the human protein was used as the immunogen for this DYRK1A antibody.

Storage

Aliquot the DYRK1A antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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