

ARG54847 anti-DYRK1B antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes DYRK1B
Tested Reactivity	Hu, Ms
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	DYRK1B
Species	Human
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 561-589 (C-terminus) of Human DYRK1B.
Conjugation	Un-conjugated
Alternate Names	Dual specificity tyrosine-phosphorylation-regulated kinase 1B; MIRK; Minibrain-related kinase; EC 2.7.12.1; AOMS3; Mirk protein kinase

Application Instructions

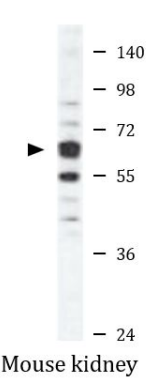
Application table	Application	Dilution
	IHC-P	Assay-dependent
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Mouse kidney	

Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS and 0.09% (W/V) Sodium azide
Preservative	0.09% (W/V) Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Database links	GeneID: 13549 Mouse GeneID: 9149 Human Swiss-port # Q9Y463 Human Swiss-port # Q9Z188 Mouse
Gene Symbol	DYRK1B
Gene Full Name	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1B
Background	This gene encodes a member of a family of nuclear-localized protein kinases. The encoded protein participates in the regulation of the cell cycle. Expression of this gene may be altered in tumor cells, and mutations in this gene were found to cause abdominal obesity-metabolic syndrome 3. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2014]
Function	Dual-specificity kinase which possesses both serine/threonine and tyrosine kinase activities. Enhances the transcriptional activity of TCF1/HNF1A and FOXO1. Inhibits epithelial cell migration. Mediates colon carcinoma cell survival in mitogen-poor environments. Inhibits the SHH and WNT1 pathways, thereby enhancing adipogenesis. In addition, promotes expression of the gluconeogenic enzyme glucose-6-phosphatase (G6PC). [UniProt]
Research Area	Cancer antibody
Calculated Mw	69 kDa
PTM	Autophosphorylated on tyrosine residues. Phosphorylated by MAP kinase. Tyrosine phosphorylation may be required for dimerization.
Cellular Localization	Nucleus.

Images



ARG54847 anti-DYRK1B antibody WB image

Western blot: Mouse kidney lysate stained with ARG54847 anti-DYRK1B antibody.