

Mouse Dyrk1a Antibody(C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19429b

Specification

Mouse Dyrk1a Antibody(C-term) - Product Information

Application	WB,E
Primary Accession	Q61214
Other Accession	NP_001106860.1
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit Ig
Calculated MW	85494
Antigen Region	718-745

Mouse Dyrk1a Antibody(C-term) - Additional Information

Gene ID 13548

Other Names

Dual specificity
tyrosine-phosphorylation-regulated kinase
1A, Dual specificity YAK1-related kinase,
MP86, Protein kinase minibrain homolog,
MNBH, Dyrk1a, Dyrk

Target/Specificity

This Mouse Dyrk1a antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 718-745 amino acids from the C-terminal region of mouse Dyrk1a.

Dilution

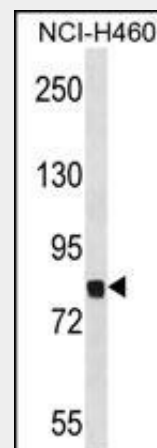
WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

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.



Mouse Dyrk1a Antibody (C-term)(Cat. #AP19429b) western blot analysis in NCI-H460 cell line lysates (35ug/lane). This demonstrates the Mouse Dyrk1a antibody detected the Mouse Dyrk1a protein (arrow).

Mouse Dyrk1a Antibody(C-term) - Background

Dyrk1a may play a role in a signaling pathway regulating nuclear functions of cell proliferation. Phosphorylates serine, threonine and tyrosine residues in its sequence and in exogenous substrates.

Mouse Dyrk1a Antibody(C-term) - References

- Park, J., et al. J. Biol. Chem. 285(41):31895-31906(2010)
Guo, X., et al. J. Biol. Chem. 285(17):13223-13232(2010)
Kurabayashi, N., et al. Mol. Cell. Biol. 30(7):1757-1768(2010)
Lee, Y., et al. J. Biol. Chem. 284(48):33343-33351(2009)
Noll, C., et al. PLoS ONE 4 (10), E7540 (2009) :

Precautions

Mouse Dyrk1a Antibody(C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Mouse Dyrk1a Antibody(C-term) - Protein Information

Name Dyrk1a

Synonyms Dyrk

Function

Dual-specificity kinase which possesses both serine/threonine and tyrosine kinase activities. May play a role in a signaling pathway regulating nuclear functions of cell proliferation. Modulates alternative splicing by phosphorylating the splice factor SRSF6 (By similarity). Exhibits a substrate preference for proline at position P+1 and arginine at position P-3. Has pro-survival function and negatively regulates the apoptotic process. Promotes cell survival upon genotoxic stress through phosphorylation of SIRT1. This in turn inhibits TP53 activity and apoptosis (PubMed:20167603).

Cellular Location

Nucleus speckle.

Tissue Location

Detected in brain (at protein level). Expressed in a variety of embryonic and adult tissues. Expressed abundantly in neurons of the brain, spinal cord, and retina in developing embryos

Mouse Dyrk1a Antibody(C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)

- [Cell Culture](#)