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Mouse Dyrk1b Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14617c

Specification

Mouse Dyrk1b Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	Q9Z188
Other Accession	Q9Y463, NP_001033046.1, NP_034222.1
Reactivity	**Mouse**
Predicted	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**69178**
Antigen Region	**376-403**

Mouse Dyrk1b Antibody (Center) - Additional Information

Gene ID 13549

Other Names
Dual specificity tyrosine-phosphorylation-regulated kinase 1B, Dyrk1b

Target/Specificity
This Mouse Dyrk1b antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 376-403 amino acids from the Central region of mouse Dyrk1b.

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.

Precautions
Mouse Dyrk1b Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Mouse Dyrk1b Antibody (Center) - Protein Information

Name Dyrk1b

Function Dual-specificity kinase which possesses both serine/threonine and tyrosine kinase

activities (PubMed:12633499). Plays an essential role in ribosomal DNA (rDNA) double-strand break repair and rDNA copy number maintenance. During DNA damage, mediates transcription silencing in part via phosphorylating and enforcing DSB accumulation of the histone methyltransferase EHMT2. 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 catalytic subunit 1 (G6PC1).

Cellular Location
Nucleus {ECO:0000250|UniProtKB:Q9Y463}. Nucleus, nucleolus {ECO:0000250|UniProtKB:Q9Y463}. Chromosome {ECO:0000250|UniProtKB:Q9Y463}. Note=Localizes to sites of double- strand breaks (DSBs) following DNA damage {ECO:0000250|UniProtKB:Q9Y463}

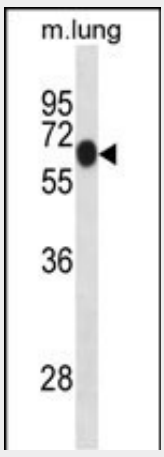
Tissue Location
Isoform 1 and isoform 2 are broadly expressed. Isoform 3 seems specific for skeletal muscle (at protein level)

Mouse Dyrk1b Antibody (Center) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Mouse Dyrk1b Antibody (Center) - Images



Mouse Dyrk1b Antibody (Center) (Cat. #AP14617c) western blot analysis in mouse lung tissue lysates (35ug/lane).This demonstrates the Dyrk1b antibody detected the Dyrk1b protein (arrow).

Mouse Dyrk1b Antibody (Center) - Background

Dual-specificity kinase which possesses both serine/ threonine and tyrosine kinase activity.

Enhances the transcriptional activity of TCF1/HNF1A and FOXO1. Inhibits epithelial cell migration. Mediates colon carcinoma cell survival in mitogen-poor environments.

Mouse Dyrk1b Antibody (Center) - References

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