

Rabbit anti-Human, mouse Dyrk2 Polyclonal Antibody | anti-Dyrk2 antibody

Mouse Dyrk2 Antibody (C-term)

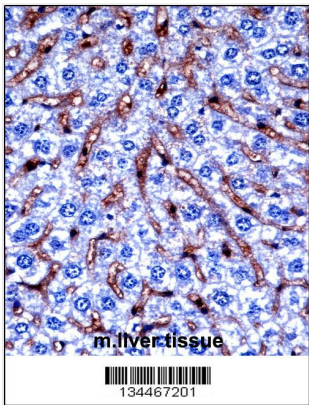
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286469	Rabbit	Human, mouse	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

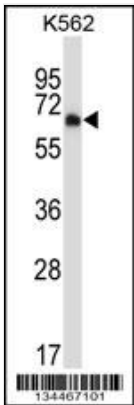
Dyrk2; Polyclonal Antibody; Mouse Dyrk2 Antibody (C-term); Dual specificity tyrosine-phosphorylation-regulated kinase 2; Dyrk2 {ECO:0000312|MGI:MGI:1330301}; anti-Dyrk2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Mouse Dyrk2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 521-549 amino acids from the C-terminal region of mouse Dyrk2.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	521-549
Sequence Length	599
Applicable Applications for anti-Dyrk2 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	MOUSE
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



IHC (Immunohistochemistry)
Mouse Dyrk2 Antibody (C-term) (AAA286469) immunohistochemistry analysis in formalin fixed and paraffin embedded mouse liver tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of Mouse Dyrk2 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
Mouse Dyrk2 Antibody (C-term) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the Dyrk2 antibody detected the Dyrk2 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-Dyrk2 antibody	Role in the regulation of cellular growth and/or development. Regulates TP53 by phosphorylation on Ser-46 to induce apoptosis in response to DNA damage, functioning downstream of ATM. Inactivates GYS1 by phosphorylation at Ser-641, and potentially also a second phosphorylation site, thus regulating glycogen synthesis. Phosphorylates EIF2B5 at Ser-544, enabling its subsequent phosphorylation and inhibition by GSK3, and may play a more general role in the priming of GSK3 substrates (By similarity).
Product Categories/Family for anti-Dyrk2 antibody	Signal Transduction
References	Guo, X., et al. J. Biol. Chem. 285(17):13223-13232(2010) Kudo, L.C., et al. Cereb. Cortex 17(9):2108-2122(2007) Blackshaw, S., et al. PLoS Biol. 2 (9), E247 (2004) : Clark, A.G., et al. Science 302(5652):1960-1963(2003) Geiger, J.N., et al. Blood 97(4):901-910(2001)

NCBI AND UNIPROT INFORMATION

NCBI GI #	67846105
NCBI GeneID	69181
NCBI Accession #	NP_001014412.1
NCBI GenBank Nucleotide #	NM_001014390.2
UniProt Accession #	Q5U4C9
Molecular Weight	66556
NCBI Official Full Name	dual specificity tyrosine-phosphorylation-regulated kinase 2
NCBI Official Synonym Full Names	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 2
NCBI Official Symbol	Dyrk2
NCBI Official Synonym Symbols	1810038L18Rik
NCBI Protein Information	dual specificity tyrosine-phosphorylation-regulated kinase 2
UniProt Protein Name	Dual specificity tyrosine-phosphorylation-regulated kinase 2
UniProt Gene Name	Dyrk2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/dyrk2-antibody-immunohistochemistry-western-blot-elisa/286469>