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Mouse Phkg2 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14454a

Product Information

Application	WB, IHC-P, E
Primary Accession	Q9DB30
Other Accession	P31325, NP_081164.2
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB34855
Calculated MW	46572
Antigen Region	2-29

Additional Information

Gene ID	68961
Other Names	Phosphorylase b kinase gamma catalytic chain, liver/testis isoform, PHK-gamma-LT, PHK-gamma-T, Phosphorylase kinase subunit gamma-2, Phkg2
Target/Specificity	This Mouse Phkg2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 2-29 amino acids from the N-terminal region of mouse Phkg2.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
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 Phkg2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Phkg2
Function	Catalytic subunit of the phosphorylase b kinase (PHK), which mediates the

neural and hormonal regulation of glycogen breakdown (glycogenolysis) by phosphorylating and thereby activating glycogen phosphorylase. May regulate glycogeneolysis in the testis. In vitro, phosphorylates PYGM.

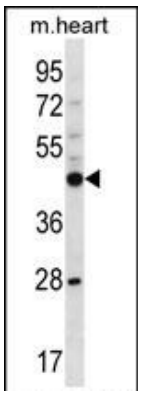
Background

Phosphorylase b kinase catalyzes the phosphorylation of serine in certain substrates, including troponin I. This isozyme may regulate glycogeneolysis in the testis.

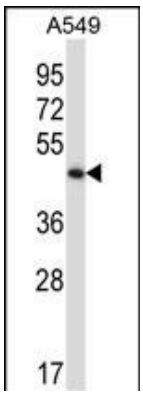
References

Katayama, S., et al. Science 309(5740):1564-1566(2005)
Carninci, P., et al. Science 309(5740):1559-1563(2005)
Strausberg, R.L., et al. Proc. Natl. Acad. Sci. U.S.A. 99(26):16899-16903(2002)
Okazaki, Y., et al. Nature 420(6915):563-573(2002)
Kawai, J., et al. Nature 409(6821):685-690(2001)

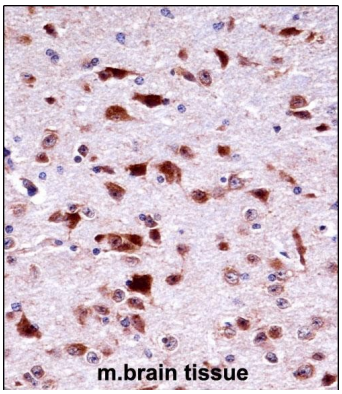
Images



Mouse Phkg2 Antibody (N-term) (Cat. #AP14454a) western blot analysis in mouse heart tissue lysates (35ug/lane).This demonstrates the Phkg2 antibody detected the Phkg2 protein (arrow).



Mouse Phkg2 Antibody (N-term) (Cat. #AP14454a) western blot analysis in A549 cell line lysates (35ug/lane).This demonstrates the Phkg2 antibody detected the Phkg2 protein (arrow).



Mouse Phkg2 Antibody (N-term) (AP14454a)immunohistochemistry analysis in formalin fixed and paraffin embedded mouse brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of Mouse Phkg2 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.