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Mouse Frk Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14842b

Product Information

Application	WB, E
Primary Accession	Q922K9
Other Accession	Q62662, NP_034367.2, NP_001153016.1
Reactivity	Mouse
Predicted	Rat, Bovine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB34778
Calculated MW	58844
Antigen Region	464-491

Additional Information

Gene ID	14302
Other Names	Tyrosine-protein kinase FRK, Beta-cell Src-homology tyrosine kinase, BSK, FYN-related kinase, Intestine tyrosine kinase, Frk, Bsk, Iyk
Target/Specificity	This Mouse Frk antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 464-491 amino acids from the C-terminal region of mouse Frk.
Dilution	WB~~1:1000 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 Frk Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Frk
Synonyms	Bsk, Iyk

Function	Non-receptor tyrosine-protein kinase that negatively regulates cell proliferation. Positively regulates PTEN protein stability through phosphorylation of PTEN on 'Tyr-336', which in turn prevents its ubiquitination and degradation, possibly by reducing its binding to NEDD4. May function as a tumor suppressor (By similarity).
Cellular Location	Cytoplasm. Nucleus. Note=Predominantly found in the nucleus, with a small fraction found in the cell periphery.
Tissue Location	Expressed in intestinal tract, fetal and adult islets of Langerhans, kidney, liver and lung

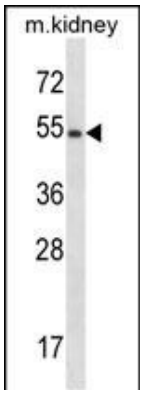
Background

Positively regulates PTEN protein stability through phosphorylation of PTEN on 'Tyr-336', which in turn prevents its ubiquitination and degradation possibly by reducing its binding to NEDD4. May function as a tumor suppressor (By similarity).

References

Akerblom, B., et al. Mol. Cell. Endocrinol. 270 (1-2), 73-78 (2007) :
Nishimura, M., et al. DNA Res. 11(5):315-323(2004)
Sharov, A.A., et al. PLoS Biol. 1 (3), E74 (2003) :
Cowen, M.S., et al. Alcohol. Clin. Exp. Res. 27(8):1213-1219(2003)
Serfas, M.S., et al. Oncol. Res. 13 (6-10), 409-419 (2003) :

Images



Mouse Frk Antibody (C-term) (Cat. #AP14842b) western blot analysis in mouse kidney tissue lysates (35ug/lane).This demonstrates the Frk antibody detected the Frk protein (arrow).

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