

# Mouse Frk Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP14842b

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">Q922K9</a>
<b>Other Accession</b>	<a href="#">Q62662</a> , <a href="#">NP_034367.2</a> , <a href="#">NP_001153016.1</a>
<b>Reactivity</b>	Mouse
<b>Predicted</b>	Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB34778
<b>Calculated MW</b>	58844
<b>Antigen Region</b>	464-491

## Additional Information

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<b>Gene ID</b>	14302
<b>Other Names</b>	Tyrosine-protein kinase FRK, Beta-cell Src-homology tyrosine kinase, BSK, FYN-related kinase, Intestine tyrosine kinase, Frk, Bsk, Iyk
<b>Target/Specificity</b>	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.
<b>Dilution</b>	WB~~1:1000 E~~Use at an assay dependent concentration.
<b>Format</b>	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.
<b>Storage</b>	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.
<b>Precautions</b>	Mouse Frk Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	Frk
<b>Synonyms</b>	Bsk, Iyk

<b>Function</b>	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).
<b>Cellular Location</b>	Cytoplasm. Nucleus. Note=Predominantly found in the nucleus, with a small fraction found in the cell periphery.
<b>Tissue Location</b>	Expressed in intestinal tract, fetal and adult islets of Langerhans, kidney, liver and lung

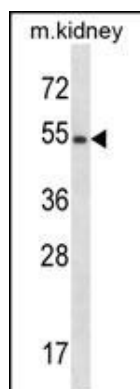
## Background

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'.