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FRK Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO1194a

Specification

FRK Antibody - Product Information

Application	**WB, IHC**
Primary Accession	P42685
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1**

Description
FRK: fyn-related kinase. The protein encoded by this gene belongs to the TYR family of protein kinases. This tyrosine kinase is a nuclear protein and may function during G1 and S phase of the cell cycle and suppress growth.

Immunogen
Purified recombinant fragment of FRK (aa2-300) expressed in E. Coli.

Formulation
Ascitic fluid containing 0.03% sodium azide.

FRK Antibody - Additional Information

Gene ID 2444

Other Names
Tyrosine-protein kinase FRK, 2.7.10.2, FYN-related kinase, Nuclear tyrosine protein kinase RAK, Protein-tyrosine kinase 5, FRK, PTK5, RAK

Dilution
WB~~1/500 - 1/2000
IHC~~1/500 - 1/2000

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
FRK Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

FRK Antibody - Protein Information

Name FRK

Synonyms PTK5, RAK

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.

Cellular Location
Cytoplasm. Nucleus. Note=Predominantly found in the nucleus, with a small fraction found in the cell periphery

Tissue Location
Predominantly expressed in epithelial derived cell lines and tissues, especially normal liver, kidney, breast and colon

FRK Antibody - 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

FRK Antibody - Images

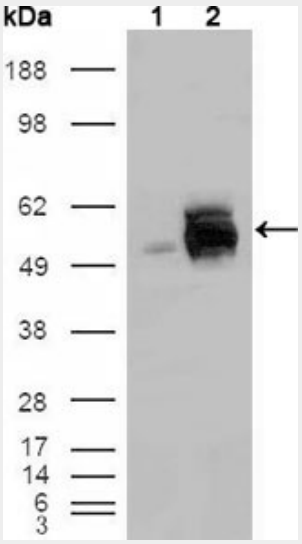


Figure 1: Western blot analysis using FRK mouse mAb against HEK293T cells transfected with the pCMV6-ENTRY control (1) and pCMV6-ENTRY FRK cDNA (2).

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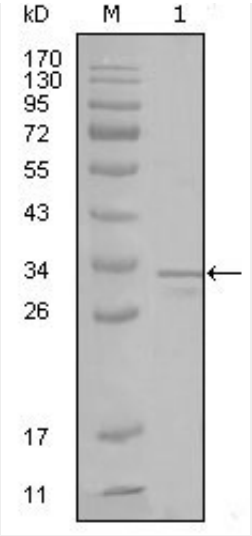


Figure 2: Western blot analysis using FRK mouse mAb against truncated FRK-His recombinant protein (1).

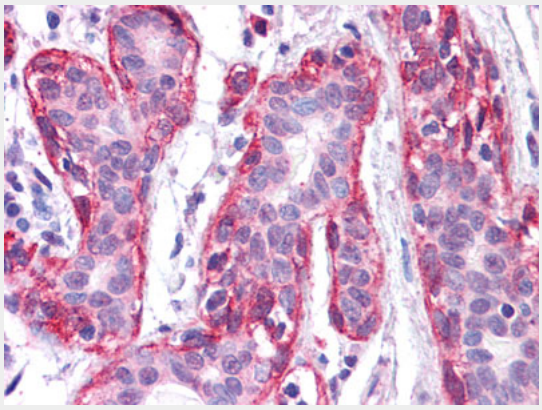


Figure 3: Immunohistochemical analysis of paraffin-embedded human Breast tissues using FRK mouse mAb.

FRK Antibody - References

1. Int J Cancer. 1993 Jun 19;54(4):571-7. 2. Proc Natl Acad Sci U S A. 2002 Dec 24;99(26):16899-903. 3. Neurosci Lett. 2004 Apr 22;360(1-2):109-11.