

FRK Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP51213

Specification

FRK Antibody - Product Information

Application Primary Accession Reactivity Host Clonality Calculated MW Antigen Region WB <u>P42685</u> Human, Rat Rabbit Polyclonal 54 KDa 81 - 140

FRK Antibody - Additional Information

Gene ID 2444

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

Target/Specificity KLH conjugated synthetic peptide derived from human FRK

Dilution WB~~ 1:1000

Format 0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage Store at -20 °C.Stable for 12 months from date of receipt

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.

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

FRK Antibody - Images



Anti-FRK Antibodyat 1:1000 dilution + MCF-7 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L),Peroxidase conjugated at 1/10000 dilution Predicted band size : 58 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

FRK Antibody - Background

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FRK Antibody - References

Cance W.G., et al.Cell Growth Differ. 5:1347-1355(1994). Lee J., et al.Gene 138:247-251(1994). Mungall A.J., et al.Nature 425:805-811(2003).



Mural R.J., et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases. Cance W.G., et al.Int. J. Cancer 54:571-577(1993).