

FRK Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51213**Specification**

FRK Antibody - Product Information

Application	WB
Primary Accession	P42685
Reactivity	Human, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	54 KDa
Antigen Region	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

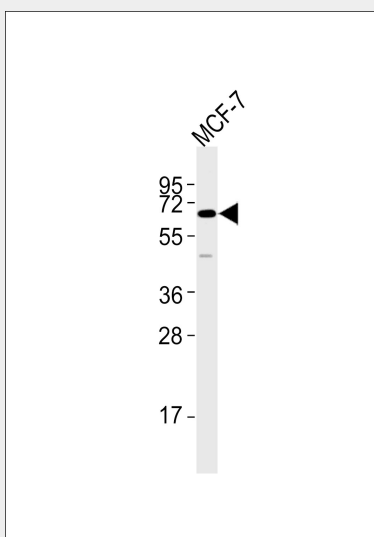
Predominantly expressed in epithelial derived cell lines and tissues, especially normal liver, kidney, breast and colon

FRK Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

FRK Antibody - Images



Anti-FRK Antibody at 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

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.

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).