

**FRK Antibody (N-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP7708a****Specification**

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**FRK Antibody (N-term) - Product Information**

Application	WB, IHC-P, FC,E
Primary Accession	<a href="#">P42685</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	58254
Antigen Region	13-44

**FRK Antibody (N-term) - 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**

This FRK antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 13-44 amino acids from the N-terminal region of human FRK.

**Dilution**

WB~~1:1000  
IHC-P~~1:10~50  
FC~~1:10~50

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

**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**

FRK Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**FRK Antibody (N-term) - 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

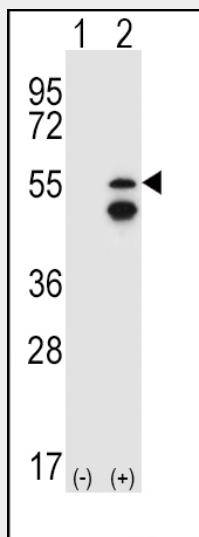
**Tissue Location**

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

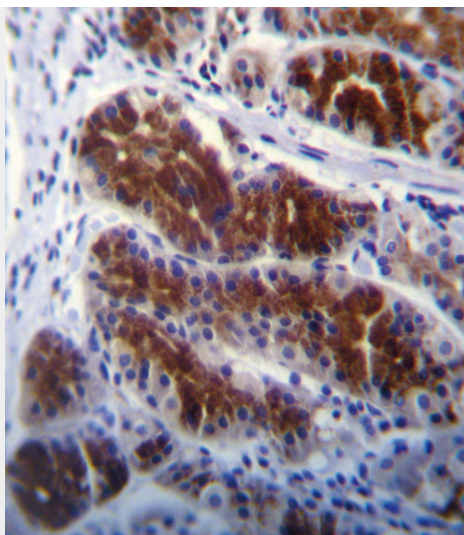
**FRK Antibody (N-term) - Protocols**

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

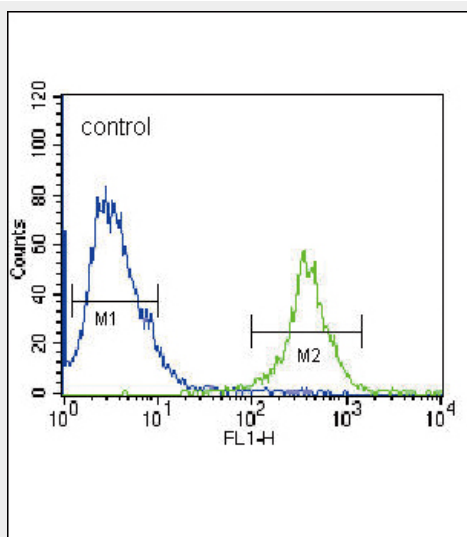
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**FRK Antibody (N-term) - Images**

Western blot analysis of FRK (arrow) using rabbit polyclonal FRK Antibody (V28) (Cat. #AP7708a). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the FRK gene.



FRK Antibody (N-term) (Cat. #AP7708a) immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of FRK Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



FRK Antibody (N-term) (Cat. #AP7708a) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

### FRK Antibody (N-term) - Background

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.

### FRK Antibody (N-term) - References

- Meyer, T., et al., Int. J. Cancer 104(2):139-146 (2003).
- Craven, R.J., et al., Cancer Res. 55(18):3969-3972 (1995).
- Cance, W.G., et al., Cell Growth Differ. 5(12):1347-1355 (1994).
- Cance, W.G., et al., Int. J. Cancer 54(4):571-577 (1993).
- Lee, J., et al., Gene 138 (1-2), 247-251 (1994).