

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

**Specification**

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

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

**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**

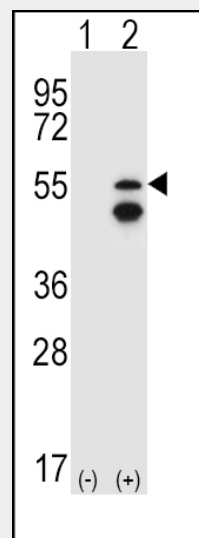
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

**Storage**

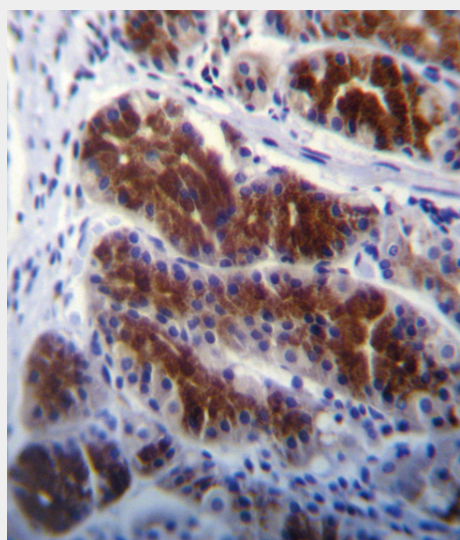
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

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



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

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

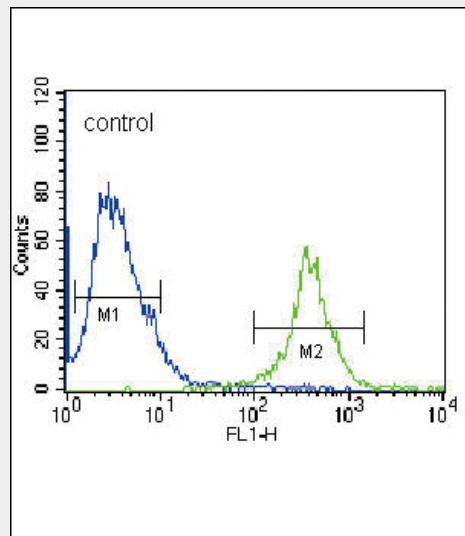
Predominantly expressed in epithelial derived cell lines and tissues, especially normal liver, kidney, breast and colon

#### 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](#)

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).