

**FRK Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP7708a****Specification**

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**FRK Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [P42685](#)**FRK Antibody (N-term) Blocking Peptide - 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**

The synthetic peptide sequence used to generate the antibody [AP7708a](/product/products/AP7708a) was selected from the N-term region of human FRK. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

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

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

- [Blocking Peptides](#)

**FRK Antibody (N-term) Blocking Peptide - Images****FRK Antibody (N-term) Blocking Peptide - 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) Blocking Peptide - 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).