

# FRK Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51213

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">P42685</a>
<b>Reactivity</b>	Human, Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	58254

## Additional Information

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<b>Gene ID</b>	2444
<b>Other Names</b>	Tyrosine-protein kinase FRK, FYN-related kinase, Nuclear tyrosine protein kinase RAK, Protein-tyrosine kinase 5, FRK, PTK5, RAK
<b>Target/Specificity</b>	KLH conjugated synthetic peptide derived from human FRK
<b>Dilution</b>	WB~~ 1:1000
<b>Format</b>	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
<b>Storage</b>	Store at -20 °C.Stable for 12 months from date of receipt

## Protein Information

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<b>Name</b>	FRK
<b>Synonyms</b>	PTK5, RAK
<b>Function</b>	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.
<b>Cellular Location</b>	Cytoplasm. Nucleus. Note=Predominantly found in the nucleus, with a small fraction found in the cell periphery
<b>Tissue Location</b>	Predominantly expressed in epithelial derived cell lines and tissues, especially normal liver, kidney, breast and colon

## Background

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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.

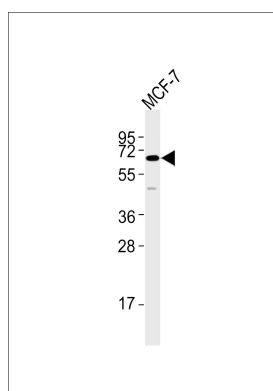
## References

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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).

## Images

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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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.