

**Rak Polyclonal Antibody**  
**Catalog # AP72179****Specification**

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**Rak Polyclonal Antibody - Product Information**

Application	WB, IHC-P, IF
Primary Accession	<a href="#">P42685</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

**Rak Polyclonal Antibody - Additional Information****Gene ID** 2444**Other Names**

FRK; PTK5; RAK; Tyrosine-protein kinase FRK; FYN-related kinase; Nuclear tyrosine protein kinase RAK; Protein-tyrosine kinase 5

**Dilution**WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.  
IHC-P~~N/A  
IF~~1:50~200**Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions**

-20°C

**Rak Polyclonal 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**

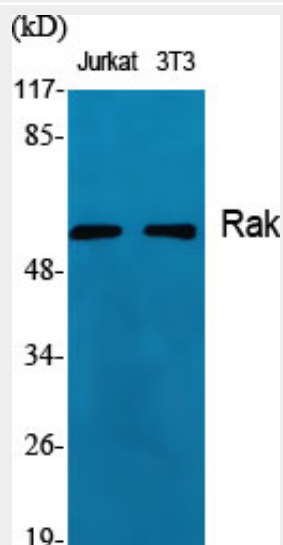
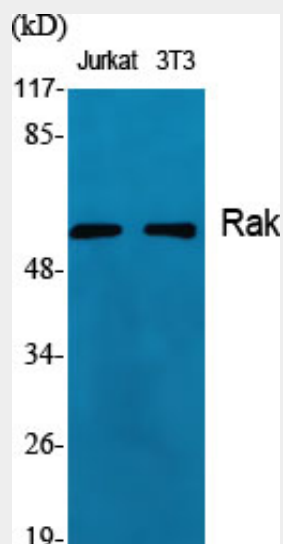
Predominantly expressed in epithelial derived cell lines and tissues, especially normal liver, kidney, breast and colon

### Rak Polyclonal 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](#)

### Rak Polyclonal Antibody - Images



**Rak Polyclonal Antibody - Background**

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