

PTK5/FRK Rabbit pAb

Catalog # AP99315

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	P42685
Other Accession	P42685
Reactivity	Rat
Predicted	Pig, Human, Mouse, Rabbit, Chicken, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	58254
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human FRK/PTK5
Epitope Specificity	331-430/505
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the protein kinase superfamily. Tyr protein kinase family. SRC subfamily.
SUBUNIT	Interacts (via the SH3-domain) with PTEN. Interacts with RB1.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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. [provided by RefSeq, Jul 2008].

Additional Information

Gene ID	2444
Other Names	GTK; PTK5; RAK; BSK; BSK/IYK; FRK_HUMAN; FRK; FYN-related kinase; Nuclear tyrosine protein kinase RAK; Protein-tyrosine kinase 5; 2.7.10.2; FRK_MOUSE; Beta-cell Src-homology tyrosine kinase (BSK); Intestine tyrosine kinase; Iyk; FRK_RAT; Gastrointestinal-associated kinase (GASK); Gastrointestinal-associated tyrosine kinase (GTK); Gask; fyn related Src family tyrosine kinase; PTK5 protein tyrosine kinase 5; fyn-related Src family tyrosine kinase
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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

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