SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

[Primary Antibody]

Rabbit Anti-PTK5/FRK antibody

Catalog Number: SL6382R

FOR RESEARCH USE ONLY

[DATASHEET]

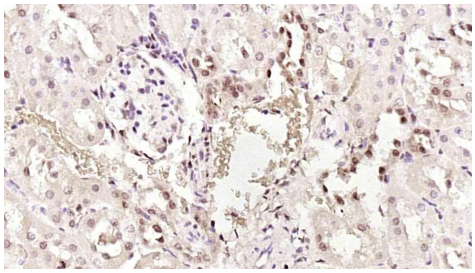
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	PTK5/FRK
Immunogen:	KLH conjugated synthetic peptide derived from human FRK/PTK5: 331-430/505
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Rat(predicted:Human,Mouse,Chicken,Pig,Cow,Horse,Rabbit)
Predicted MW.:	58kDa
Subcellular Location:	The nucleus cytoplasmic
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. [provided by RefSeq, Jul 2008]. **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. **Subunit:** Interacts (via the SH3-domain) with PTEN. Interacts with RB1. **Subcellular Location:** Cytoplasm. Nucleus. Note=Predominantly found in the nucleus, with a small fraction found in the cell periphery.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

	Tissue Specificity: Predominantly expressed in epithelial derived cell lines and tissues, especially normal liver, kidney, breast and colon. **Similarity:** Belongs to the protein kinase superfamily. Tyr protein kinase family. SRC subfamily. **Database links:** **Entrez Gene:** 2444 Human **Entrez Gene:** 14302 Mouse **Entrez Gene:** 79209 Rat Omim: 606573 Human **SwissProt:** P42685 Human **SwissProt:** Q922K9 Mouse **SwissProt:** Q62662 Rat **Unigene:** 89426 Human **Unigene:** 332432 Mouse **Unigene:** 10556 Rat

[VALIDATION IMAGES]



Paraformaldehyde-fixed, paraffin embedded (rat kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PTK5)) Polyclonal Antibody, Unconjugated (SL6382R at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.