

Rabbit FRK Polyclonal Antibody | anti-FRK antibody

FRK Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323883	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

FRK; Polyclonal Antibody; FRK Antibody; Beta cell Src homology tyrosine kinase; BSK; BSK/IYK; C85044; Frk; Frk fyn related kinase; FRK_HUMAN; FYN related kinase; FYN-related kinase; GASK; Gastrointestinal associated kinase; Gastrointestinal associated tyrosine kinase; GTK; mouse; homolog of; Intestine tyrosine kinase; Nuclear tyrosine protein kinase RAK; Protein-tyrosine kinase 5; PTK5; PTK5 protein tyrosine kinase 5; RAK; Tyrosine protein kinase FRK; Tyrosine-protein kinase FRK; anti-FRK antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	FRK antibody detects endogenous levels of total FRK
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	505
Applicable Applications for anti-FRK antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cytoplasm.
Tissue Specificity	Predominantly expressed in epithelial derived cell lines and tissues, especially normal liver, kidney, breast and colon.
Predicted Cross Reactivity	Pig, Bovine, Sheep, Dog
Similarity	Pig (100%), Bovine (100%), Sheep (100%), Dog (91%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA323883 staining Hela cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from Jurkat cells, using FRK antibody. The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)

AAA323883 at 1/100 staining Mouse liver tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-FRK antibody	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 Structure: Interacts (via the SH3-domain) with PTEN. Interacts with RB1. Similarity: Belongs to the protein kinase superfamily. Tyr protein kinase family. SRC subfamily.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503787
NCBI GeneID	2444
NCBI Accession #	NP_002022.1
NCBI GenBank Nucleotide #	NM_002031.2
UniProt Accession #	P42685; Q13128; Q9NTR5; B4DY49
Molecular Weight	Observed: 55 kD Predicted: 59 kDa
NCBI Official Full Name	tyrosine-protein kinase FRK
NCBI Official Synonym Full Names	fyn related Src family tyrosine kinase
NCBI Official Symbol	FRK
NCBI Official Synonym Symbols	GTK; RAK; PTK5
NCBI Protein Information	tyrosine-protein kinase FRK
UniProt Protein Name	Tyrosine-protein kinase FRK
UniProt Gene Name	FRK
UniProt Synonym Gene Names	PTK5; RAK

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

