

Rabbit FRK Polyclonal Antibody | anti-FRK antibody

Anti-FRK Antibody Picoband

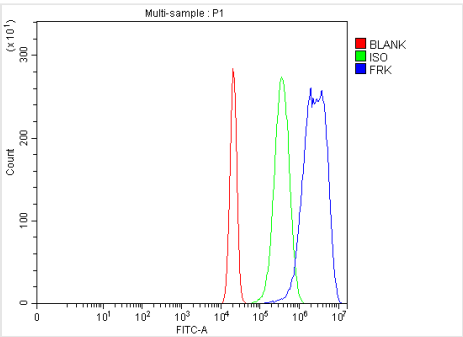
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126349	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

FRK; Polyclonal Antibody; Anti-FRK Antibody Picoband; anti-FRK antibody

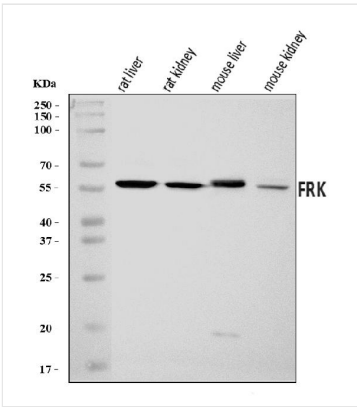
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-FRK antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human FRK recombinant protein (Position: Q39-A339).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of U2OS cells using anti-FRK antibody (AAA126349). Overlay histogram showing U2OS cells stained with AAA126349 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-FRK Antibody (AAA126349, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)

Figure 1. Western blot analysis of FRK using anti-FRK antibody (AAA126349). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: rat liver tissue lysates, Lane 2: rat kidney tissue lysates, Lane 3: mouse liver tissue lysates, Lane 4: mouse kidney tissue lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-FRK antigen affinity purified polyclonal antibody (#AAA126349) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1% Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for FRK at approximately 58 kDa. The expected band size for FRK is at 58 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-FRK antibody	Fyn-related kinase (Frk) is a tyrosine kinase of the Src family. Also known as Rak, Gtk, and Iyk, Frk is predominantly expressed in epithelial tissues. Frk protein is 49% and 47% identical to Fyn and Csk, respectively. Src family kinases regulate an array of cellular processes, including growth factor signaling, cytoskeleton dynamics, and cell proliferation.
Product Categories/Family for anti-FRK antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

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
Molecular Weight	58,254 Da
NCBI Official Full Name	tyrosine-protein kinase FRK
NCBI Official Synonym Full Names	fyn-related kinase
NCBI Official Symbol	FRK
NCBI Official Synonym Symbols	GTK; RAK; PTK5
NCBI Protein Information	tyrosine-protein kinase FRK; protein-tyrosine kinase 5; PTK5 protein tyrosine kinase 5; nuclear tyrosine protein kinase RAK
UniProt Protein Name	Tyrosine-protein kinase FRK

UniProt Gene Name	FRK
UniProt Synonym Gene Names	PTK5; RAK
UniProt Entry Name	FRK_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/frk-antibody-flow-cytometry-western-blot-elisa/126349>