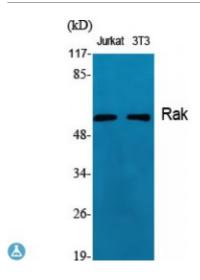


Anti-Rak antibody



Description Rabbit polyclonal to Rak.

Model STJ95361

Host Rabbit

Reactivity Human, Mouse, Rat

Applications ELISA, IF, IHC, WB

Immunogen Synthesized peptide derived from human Rak

Immunogen Region 40-120 aa, Internal

Gene ID <u>2444</u>

Gene Symbol FRK

Dilution range WB 1:500-1:2000IHC 1:100-1:300IF 1:200-1:1000ELISA 1:10000

Specificity Rak Polyclonal Antibody detects endogenous levels of Rak protein.

Tissue Specificity Predominantly expressed in epithelial derived cell lines and tissues, especially

normal liver, kidney, breast and colon.

Purification The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Note For Research Use Only (RUO).

Protein Name Tyrosine-protein kinase FRK FYN-related kinase Nuclear tyrosine protein

kinase RAK Protein-tyrosine kinase 5

Molecular Weight 54 kDa

Clonality Polyclonal

Conjugation Unconjugated

Isotype IgG

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Concentration 1 mg/ml

Storage Instruction Store at -20°C, and avoid repeat freeze-thaw cycles.

Database Links <u>HGNC:3955OMIM:606573</u>

Alternative Names Tyrosine-protein kinase FRK FYN-related kinase Nuclear tyrosine protein

kinase RAK Protein-tyrosine kinase 5

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 Localization Cytoplasm Nucleus. Predominantly found in the nucleus, with a small fraction

found in the cell periphery.

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