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Product datasheet for AP22518PU-N

FGFR1 (837-852) Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	**ELISA:** 1/32000. **Immunohistochemistry on Paraffin Sections:** 4 µg/ml. **Western Blot:** 0.3 - 1 µg/ml.
Reactivity:	Bovine, Canine, Human, Bat, Equine, Monkey
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Synthetic peptide from C-term of human FGFR1
Specificity:	This antibody detects CD331 / FGFR1 (C-term). It is expected to recognise five isoforms (as represented by NP_075598.2; NP_056934.2; NP_075593.1; NP_075594.1; NP_075599.1).
Formulation:	Tris saline buffer, pH 7.3, 0.5% BSA, 0.02% sodium azide State: Aff - Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Immunoaffinity chromatography
Conjugation:	Unconjugated
Storage:	Store at 2 - 8 °C for up to three months or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	fibroblast growth factor receptor 1
Database Link:	Entrez Gene 2260 Human P11362

View online »

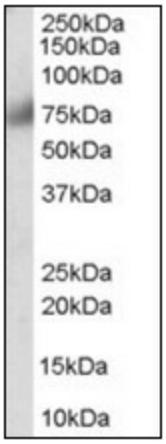
Background: The fibroblast growth factor receptor 1 belongs to the FGF Receptor subfamily. The full-length protein consists of an extracellular region, composed of three immunoglobulin-like domains, a single hydrophobic membrane-spanning segment and a cytoplasmic tyrosine kinase domain. Ligand binding results in the activation of a cascade of downstream signals, ultimately influencing mitogenesis and differentiation. Various isoforms of FGFR1 have been identified that differ in structure and specificity. Defects in FGFR1 cause craniofacial abnormalities in diseases such as Pfeiffer syndrome and Jackson-Weiss syndrome.

Synonyms: BFGFR, CEK, FGFBR, FLG, FLT2, HBGFR, BFGFR, bFGF-R-1, FLT-2, N-sam, Proto-oncogene c-Fgr

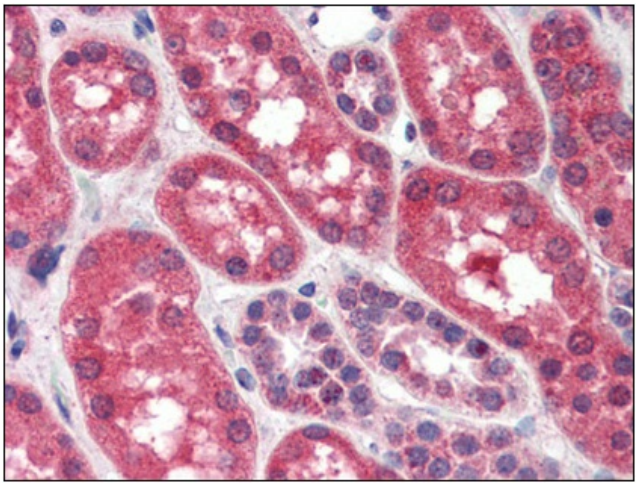
Protein Families: Druggable Genome, Protein Kinase, Transmembrane

Protein Pathways: Adherens junction, MAPK signaling pathway, Melanoma, Pathways in cancer, Prostate cancer, Regulation of actin cytoskeleton

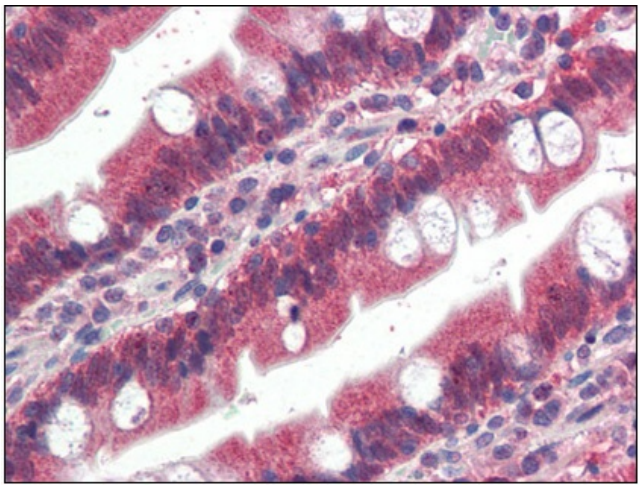
Product images:



Antibody (0.3 ug/ml) staining of human breast lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



Human Kidney (formalin-fixed, paraffin-embedded) stained with FGFR1 antibody at 4 ug/ml followed by biotinylated anti-goat IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.



Human Small Intestine (formalin-fixed, paraffin-embedded) stained with FGFR1 antibody at 4 ug/ml followed by biotinylated anti-goat IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.