

Rabbit FGFR2 Polyclonal Antibody | anti-FGFR2 antibody

FGFR2 Antibody (N-term R22)

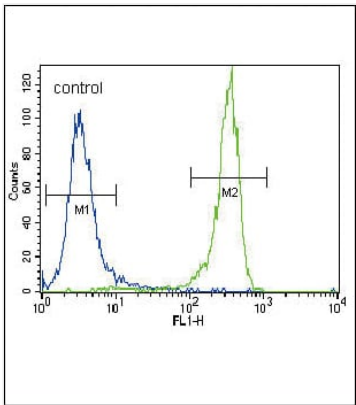
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284469	Rabbit	Human (Predicted Reactivity: Mouse)	Flow Cytometry, Functional Assay, Immunofluorescence, ELISA, Western Blot

PRODUCT SYNONYMS

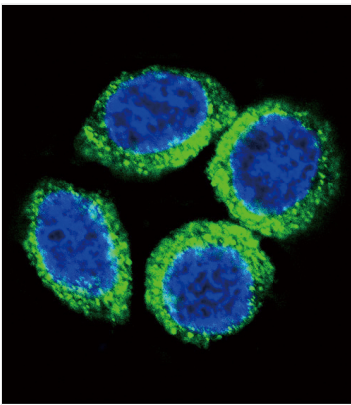
FGFR2; Polyclonal Antibody; FGFR2 Antibody (N-term R22); Fibroblast growth factor receptor 2; FGFR-2; K-sam; KGFR; Keratinocyte growth factor receptor; CD332; BEK; KSAM; anti-FGFR2 antibody

PRODUCT SPECIFICATIONS

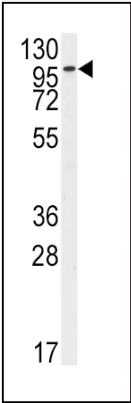
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This FGFR2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 7-37 amino acids from the N-terminal region of human FGFR2.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	7-37
Sequence Length	709
Applicable Applications for anti-FGFR2 antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
FGFR2 Antibody (N-term R22) flow cytometric analysis of NCI-H460 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IF (Immunofluorescence)
Confocal immunofluorescent analysis of FGFR2 Antibody (N-term R22) with Hela cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



WB (Western Blot)
Western blot analysis of anti-FGFR2 Antibody (N-term R22) in Hela cell line lysates (35ug/lane). FGFR2 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-FGFR2 antibody	FGFR2 is a member of the fibroblast growth factor receptor family, where amino acid sequence is highly conserved between members and throughout evolution. FGFR family members differ from one another in their ligand affinities and tissue distribution. A full-length representative protein consists of an extracellular region, composed of three immunoglobulin-like domains, a single hydrophobic membrane-spanning segment and a cytoplasmic tyrosine kinase domain. The extracellular portion of the protein interacts with fibroblast growth factors, setting in motion a cascade of downstream signals, ultimately influencing mitogenesis and differentiation. This particular family member is a high-affinity receptor for acidic, basic and/or keratinocyte growth factor, depending on the isoform. Mutations in the gene for FGFR2 are associated with many craniosynostotic syndromes and bone malformations. The genomic organization of the gene encompasses 20 exons. Alternative splicing in multiple exons, including those encoding the Ig-like domains, the transmembrane region and the carboxyl terminus, results in varied isoforms which differ in structure and specificity. Isoform 1 has equal affinity for aFGF and bFGF but does not bind KGF.
Product Categories/Family for anti-FGFR2 antibody	Cancer; Cardiovascular; Developmental Biology; Immunology; Neuroscience; Signal Transduction
References	Freeman, K.W., et al., Cancer Res. 63(19):6237-6243 (2003). Goriely, A., et al., Science 301(5633):643-646 (2003). Fomenkov, A., et al., J. Biol. Chem. 278(26):23906-23914 (2003). Kato, M., et al., Int. J. Mol. Med. 11(5):579-583 (2003). Kato, M., et al., Int. J. Oncol. 22(5):1155-1159 (2003).

NCBI AND UNIPROT INFORMATION

NCBI GI #	221316639
NCBI GeneID	2263
NCBI Accession #	NP_000132.3; NP_001138385.1; NP_001138386.1; NP_001138387.1; NP_001138388.1; NP_001138389.1; NP_001138390.1; NP_001138391.1; NP_075259.4; NP_075418.1
NCBI GenBank Nucleotide #	NM_000141.4
UniProt Accession #	P21802; P18443; Q01742; Q12922; Q14300; Q14301; Q14302; Q14303; Q14304; B4DFC2; E7EVR6; E9PCRO
Molecular Weight	92025
NCBI Official Full Name	fibroblast growth factor receptor 2 isoform 1
NCBI Official Synonym Full Names	fibroblast growth factor receptor 2
NCBI Official Symbol	FGFR2
NCBI Official Synonym Symbols	BEK; JWS; BBDS; CEK3; CFD1; ECT1; KGFR; TK14; TK25; BFR-1; CD332; K-SAM
NCBI Protein Information	fibroblast growth factor receptor 2
UniProt Protein Name	Fibroblast growth factor receptor 2
UniProt Gene Name	FGFR2
UniProt Synonym Gene Names	BEK; KGFR; KSAM; FGFR-2; KGFR
UniProt Entry Name	FGFR2_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://www.aaabiotech.com/polyclonal/fgfr2-antibody-flow-cytometry-immunofluorescence-western-blot-elisa/284469>