

Rabbit FGFR2 Polyclonal Antibody | anti-FGFR2 antibody

FGFR2, NT (FGFR2, BEK, KGFR, KSAM, Fibroblast growth factor receptor 2, K-sam, Keratinocyte growth factor receptor, CD332) (AP)

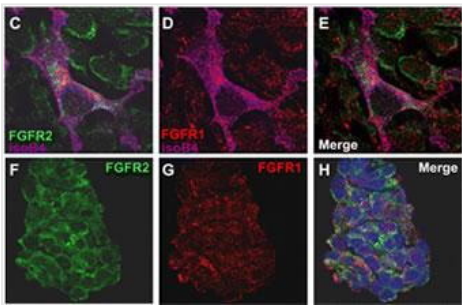
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA26851	Rabbit	Human, Monkey, Mouse, Rat	Immunofluorescence, ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

FGFR2; Polyclonal Antibody; NT (FGFR2; BEK; KGFR; KSAM; Fibroblast growth factor receptor 2; K-sam; Keratinocyte growth factor receptor; CD332) (AP); CD332; anti-FGFR2 antibody

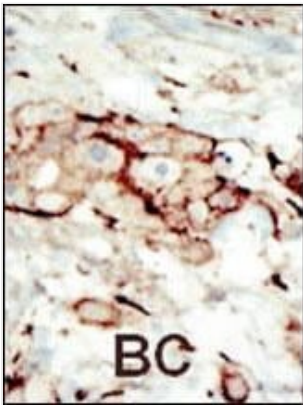
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Monkey, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Recognizes human FGFR2. Species crossreactivity: monkey, mouse, rat
Purity/Purification	Purified by Protein G Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase (AP).
Applicable Applications for anti-FGFR2 antibody	IF (Immunofluorescence), ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Application Notes	IF: 1:10-50 ELISA: 1:1,000 IHC: 1:50-100 WB: 1:100-500 Applications are based on unconjugated antibody.
Immunogen	KLH-conjugated synthetic peptide mapping to a fragment of residues within amino acids 22-51 in the N-terminal region of human FGFR2, UniProt #P21802.
Conjugate	AP
Note	Preservative Free
Preparation and Storage	Store product at 4 degree C. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial prior to removing the cap.



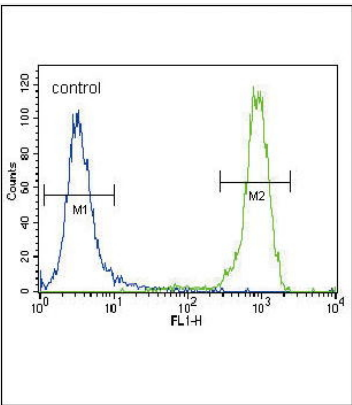
Application Data

C:FGFR2/isolectinB4 (C) and FGFR1/isolectinB4 (D) staining of apparent mesenchymal cells and the subpopulation of endothelial cells. Virtually all other dispersed apparent mesenchymal cells express FGFR1 and FGFR2 (merged image in E). F: FGFR2 (F) and FGFR1 (G) staining in clustered cells of epithelial origin (inferred by morphology here) demonstrating that epithelial cells express both FGFR1 and FGFR2 (merged image with DAPI staining in H).



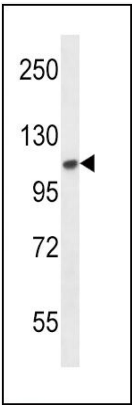
Application Data

IC staining of Hela cells



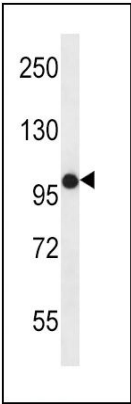
FCM (Flow Cytometry)

Flow Cytometric analysis of NCI-H460 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibody was used for the analysis.



IHC (Immunohistochemistry)

Immunohistochemical staining of formalin-fixed and paraffin-embedded human cancer tissue



WB (Western Blot)

Western Blot analysis of Hela cell line lysate (35ug/lane) using antibody

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 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	Antibodies ; CD Markers
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). Katoh, M., et al., Int. J. Mol. Med. 11(5):579-583 (2003). Katoh, 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
NCBI GenBank Nucleotide #	NM_000141.4
UniProt Accession #	P21802 ; P18443 ; Q01742 ; Q12922 ; Q14300 ; Q14301 ; Q14302 ; Q14303 ; Q14304 ; B4DFC2 ; E7EVR6 ; E9PCRO
Molecular Weight	92,025 Da
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; FGFR-2; FGF receptor; soluble FGFR4 variant 4; bacteria-expressed kinase; hydroxyaryl-protein kinase; keratinocyte growth factor receptor; BEK fibroblast growth factor receptor; protein tyrosine kinase, receptor like 1
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/polyclonal/fgfr2-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/26851>