

Rabbit FGFR2 Polyclonal Antibody | anti-FGFR2 antibody

FGFR2 Antibody (N-term)

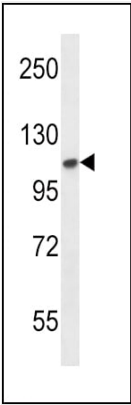
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28728	Rabbit	Human, mouse, rat, monkey	ELISA, Immunohistochemistry, Immunofluorescence, Western Blot, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

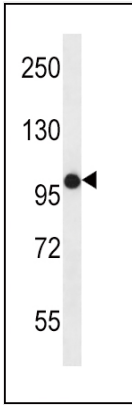
FGFR2; Polyclonal Antibody; FGFR2 Antibody (N-term); Fibroblast growth factor receptor 2; FGFR-2; K-sam; KGFR; Keratinocyte growth factor receptor; CD332; BEK; KSAM; anti-FGFR2 antibody

PRODUCT SPECIFICATIONS

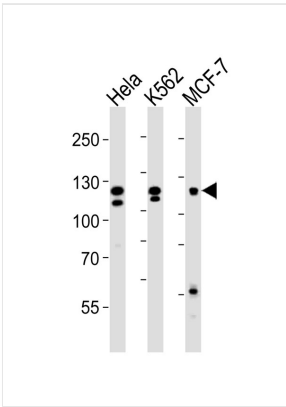
Host	Rabbit
Reactivity	Human, mouse, rat, monkey
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This FGFR2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 7-37 amino acids from the N-terminal region of human FGFR2.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.
Sequence Positions	7-37
Sequence Length	709
Applicable Applications for anti-FGFR2 antibody	ELISA, IHC (Immunohistochemistry), IF (Immunofluorescence), WB (Western Blot), FCM/FACS (Flow Cytometry)
Application Notes	IHC~~1:50~100 IF~~1:50~100 WB~~1:1000
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
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.



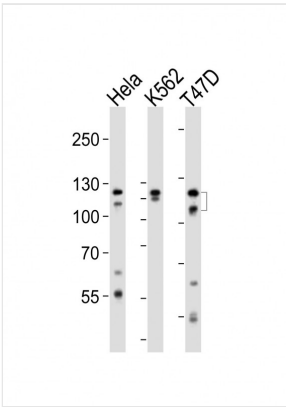
WB (Western Blot)
FGFR2 Antibody (N-term) western blot analysis in mouse NIH-3T3 cell line lysates (35ug/lane).This demonstrates the FGFR2 antibody detected the FGFR2 protein (arrow).



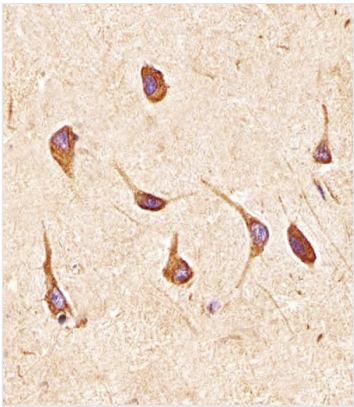
WB (Western Blot)
FGFR2 Antibody (N-term) western blot analysis in HeLa cell line lysates (35ug/lane).This demonstrates the FGFR2 antibody detected the FGFR2 protein (arrow).



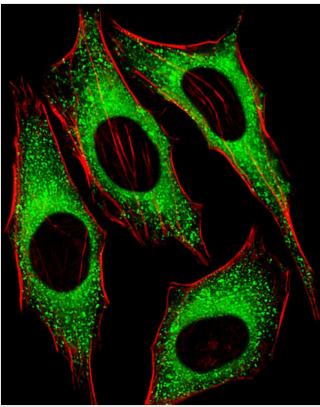
WB (Western Blot)
Western blot analysis of lysates from HeLa, K562, MCF-7 cell line (from left to right), using FGFR2 Antibody R22. AAA28728 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 35ug per lane.



WB (Western Blot)
Western blot analysis of lysates from HeLa, K562, T47D cell line (from left to right), using FGFR2 Antibody (R22). AAA28728 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20ug per lane.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded H. brain section using FGFR2 Antibody (N-term). AAA28728 was diluted at 1:25 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.



IF (Immunofluorescence)
Fluorescent image of HeLa cells stained with FGFR2 Antibody (N-term). AAA28728 was diluted at 1:25 dilution. An Alexa Fluor 488-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody (green). Cytoplasmic actin was counterstained with Alexa Fluor 555 conjugated with Phalloidin (red).

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	Crown Antibodies ; Cancer ; Cardiovascular ; Developmental Biology ; Metabolism ; 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). 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 ; 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 ; E9PCR0
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/fgr2-antibody-immunohistochemistry-immunofluorescence-western-blot-flow-cytometry-elisa/28728>