

Rabbit anti-Human FGFR2 Polyclonal Antibody | anti-FGFR2 antibody

Anti-FGFR2 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA125989	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot

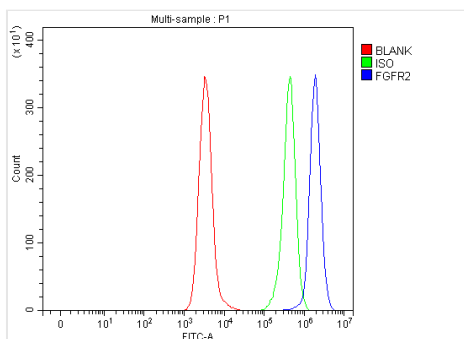
PRODUCT SYNONYMS

FGFR2; Polyclonal Antibody; Anti-FGFR2 Antibody Picoband; anti-FGFR2 antibody

PRODUCT SPECIFICATIONS

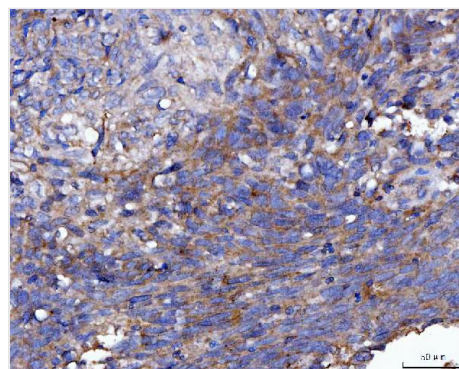
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-FGFR2 antibody	ELISA, FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human FGFR2 recombinant protein (Position: R22-E368).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.

IMAGES



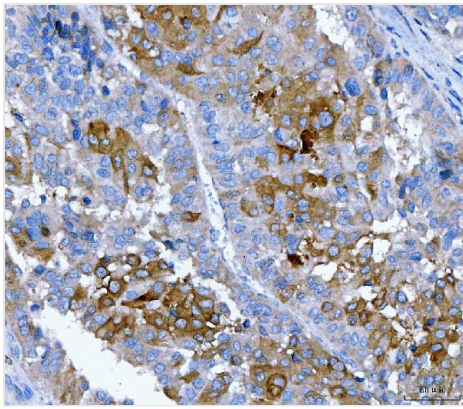
FCM/FACS (Flow Cytometry)

Figure 4. Flow Cytometry analysis of Daudi cells using anti-FGFR2 antibody (AAA125989). Overlay histogram showing Daudi cells stained with AAA125989 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-FGFR2 Antibody (AAA125989, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



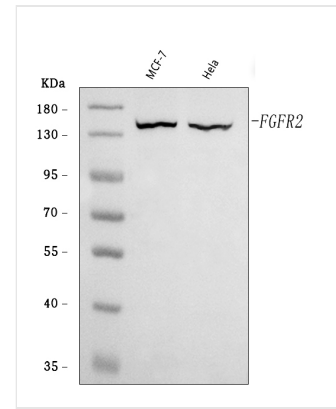
IHC (Immunohistochemistry)

Figure 3. IHC analysis of FGFR2 using anti-FGFR2 antibody (AAA125989). FGFR2 was detected in a paraffin-embedded section of human lung cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-FGFR2 Antibody (AAA125989) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 2. IHC analysis of FGFR2 using anti-FGFR2 antibody (AAA125989). FGFR2 was detected in a paraffin-embedded section of human liver cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-FGFR2 Antibody (AAA125989) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



WB (Western Blot)

Figure 1. Western blot analysis of FGFR2 using anti-FGFR2 antibody (AAA125989). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human MCF-7 whole cell lysates, Lane 2: human HeLa whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-FGFR2 antigen affinity purified polyclonal antibody (#AAA125989) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1% Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for FGFR2 at approximately 145 kDa. The expected band size for FGFR2 is at 92 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-FGFR2 antibody

Fibroblast growth factor receptor 2 (FGFR2) is a receptor for fibroblast growth factor encoded on a gene residing on chromosome 10. FGFR2 has also been designated as CD332. FGFR2 is a membrane-spanning tyrosine kinase that serves as a high affinity receptor for several members of the fibroblast growth factor (FGF) family. Its signals are absolutely required for vertebrate limb induction and that an FGFR2 signal is essential for the reciprocal regulation loop between FGF8 and FGF10 during limb induction. FGFR2 contributes to the outgrowth, differentiation, and maintenance of the inner cell mass and raise the possibility that this activity is mediated by FGF4 signals transmitted by FGFR2. The role of early FGF signaling in pregastrulation development as a possible adaptation to mammalian (amniote) embryogenesis is discussed.

Product Categories/Family for anti-FGFR2 antibody

Primary Antibodies, Rabbit Polyclonal Antibodies

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; E9PCR0
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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/fgr2-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/125989>