

Rabbit FGFR3 Polyclonal Antibody | anti-FGFR3 antibody

FGFR3 Antibody

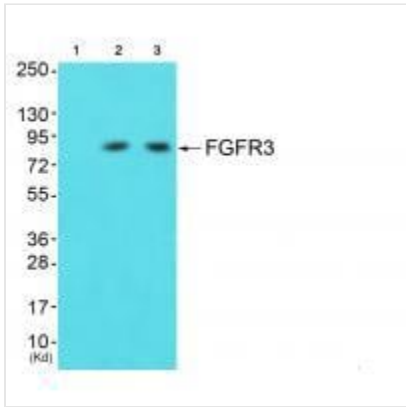
CATALOG # AAA302283	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

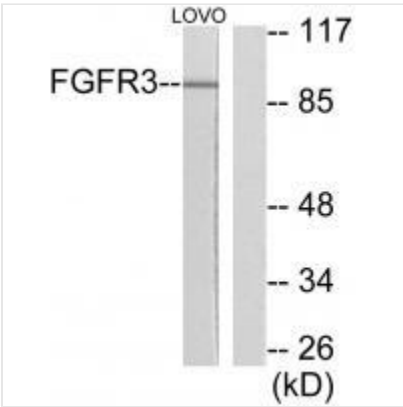
FGFR3; Polyclonal Antibody; FGFR3 Antibody; 2.7.1.112; CEK2; HSGFR3EX; fibroblast growth factor receptor 3 isoform 1 precursor; fibroblast growth factor receptor 3 isoform 2 precursor; anti-FGFR3 antibody

PRODUCT SPECIFICATIONS

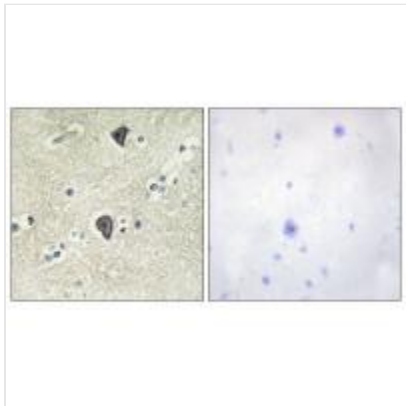
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total FGFR3 protein.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	806
Applicable Applications for anti-FGFR3 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from human FGFR3.
Target Name	FGFR3
Preparation and Storage	Store at -20 degree C



WB (Western Blot)
Western blot analysis of extracts from 293 cells (Lane 2) and HepG2 cells (Lane 3), using FGFR3 antibody. The lane on the left is treated with synthesized peptide.



WB (Western Blot)
Western blot analysis of extracts from LOVO cells, using FGFR3 antibody.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using FGFR3 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-FGFR3 antibody	Tyrosine-protein kinase that acts as cell-surface receptor for fibroblast growth factors and plays an essential role in the regulation of cell proliferation, differentiation and apoptosis. Plays an essential role in the regulation of chondrocyte differentiation, proliferation and apoptosis, and is required for normal skeleton development. Regulates both osteogenesis and postnatal bone mineralization by osteoblasts. Promotes apoptosis in chondrocytes, but can also promote cancer cell proliferation. Required for normal development of the inner ear. Phosphorylates PLCG1, CBL and FRS2. Ligand binding leads to the activation of several signaling cascades. Activation of PLCG1 leads to the production of the cellular signaling molecules diacylglycerol and inositol 1,4,5-trisphosphate. Phosphorylation of FRS2 triggers recruitment of GRB2, GAB1, PIK3R1 and SOS1, and mediates activation of RAS, MAPK1/ERK2, MAPK3/ERK1 and the MAP kinase signaling pathway, as well as of the AKT1 signaling pathway. Plays a role in the regulation of vitamin D metabolism. Mutations that lead to constitutive kinase activation or impair normal FGFR3 maturation, internalization and degradation lead to aberrant signaling. Over-expressed or constitutively activated FGFR3 promotes activation of PTPN11/SHP2, STAT1, STAT5A and STAT5B. Secreted isoform 3 retains its capacity to bind FGF1 and FGF2 and hence may interfere with FGF signaling.Jing Chen, Blood, Jul 2005; 106: 328 - 337.Qing Zhang, Diabetes, Jan 2007; 56: 96 - 106.Nigel P. Pringle, Development, Jan 2003; 130: 93.Gladys Valverde-Franco, Hum. Mol. Genet., Feb 2004; 13: 271 - 284.
Product Categories/Family for anti-FGFR3 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503711
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NCBI GeneID	2261
NCBI Accession #	NP_000133.1
NCBI GenBank Nucleotide #	NM_000142.4
UniProt Accession #	P22607; Q14308; Q16294; Q16608; Q59FL9; D3DVP9; D3DVQ0
Molecular Weight	85,083 Da
NCBI Official Full Name	fibroblast growth factor receptor 3 isoform 1
NCBI Official Synonym Full Names	fibroblast growth factor receptor 3
NCBI Official Symbol	FGFR3
NCBI Official Synonym Symbols	ACH; CEK2; JTK4; CD333; HSGFR3EX
NCBI Protein Information	fibroblast growth factor receptor 3
UniProt Protein Name	Fibroblast growth factor receptor 3
UniProt Gene Name	FGFR3
UniProt Synonym Gene Names	JTK4; FGFR-3
UniProt Entry Name	FGFR3_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://stage.aaabiotech.com/polyclonal/fgfr3-antibody-immunohistochemistry-western-blot-elisa/302283>