

Rabbit FGFR3 Polyclonal Antibody | anti-FGFR3 antibody

Phospho-FGFR3 (Tyr724) Antibody

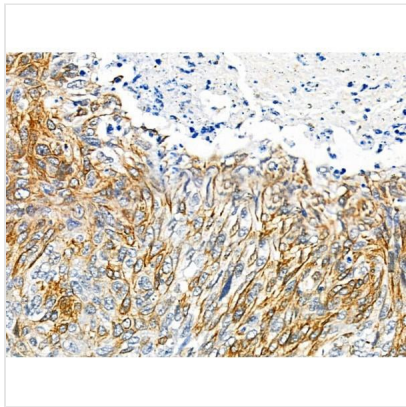
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329911	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig (100%), Zebrafish (88%), Bovine (100%), Sheep (100%), Dog (100%), Chicken (100%), Xenopus (88%)	Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

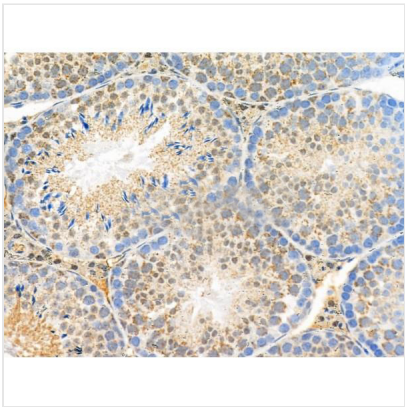
FGFR3; Polyclonal Antibody; Phospho-FGFR3 (Tyr724) Antibody; ACH; CD 333; CD333; CD333 antigen; CEK 2; CEK2; FGFR 3; FGFR-3; FGFR3_HUMAN; Fibroblast growth factor receptor 3 (achondroplasia thanatophoric dwarfism); Fibroblast growth factor receptor 3; Heparin binding growth factor receptor; HSGFR3EX; Hydroxyaryl protein kinase; JTK 4; JTK4; MFR 3; SAM 3; Tyrosine kinase JTK 4; Tyrosine kinase JTK4; Z FGFR 3; anti-FGFR3 antibody

PRODUCT SPECIFICATIONS

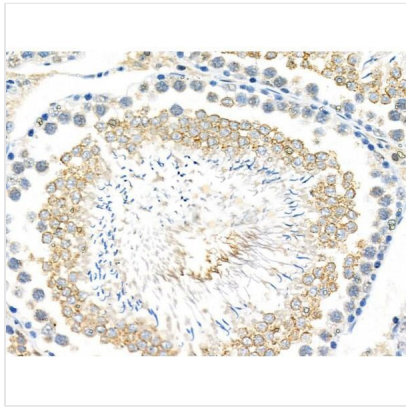
Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig (100%), Zebrafish (88%), Bovine (100%), Sheep (100%), Dog (100%), Chicken (100%), Xenopus (88%)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Phospho-FGFR3 (Tyr724) Antibody detects endogenous levels of FGFR3 only when phosphorylated at Tyr724. Tissue Specificity: Expressed in brain, kidney and testis. Very low or no expression in spleen, heart, and muscle. In 20- to 22-week old fetuses it is expressed at high level in kidney, lung, small intestine and brain, and to a lower degree in spleen, liver, and muscle. Isoform 2 is detected in epithelial cells. Isoform 1 is not detected in epithelial cells. Isoform 1 and isoform 2 are detected in fibroblastic cells.
Purity/Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Form/Format	Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	~1 mg/ml (varies by lot)
Applicable Applications for anti-FGFR3 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human FGFR3 around the phosphorylation site of Tyr724.
Preparation and Storage	Store at -20 degree C.



IHC (Immunohistochemistry)
AAA329911 at 1/100 staining Human pancreatic cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)
AAA329911 at 1/100 staining Mouse testis tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)
AAA329911 at 1/100 staining Rat testis tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4503711
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	95kDa
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; FGFR-3; tyrosine kinase JTK4; hydroxyaryl-protein kinase; fibroblast growth factor receptor 3 variant 4
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/329911>