

Product datasheet for **TA319650**

FGFR3 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1 - 2 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	FGFR3 antibody was raised against a 19 amino acid peptide near the carboxy terminus of human FGFR3.
Formulation:	FGFR3 Antibody is supplied in PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	FGFR3 Antibody is affinity chromatography purified via peptide column.
Conjugation:	Unconjugated
Storage:	Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	Predicted: 89 kDa; Observed: 9+2, 98 kDa
Gene Name:	fibroblast growth factor receptor 3
Database Link:	NP_001156685 Entrez Gene 2261 Human P22607



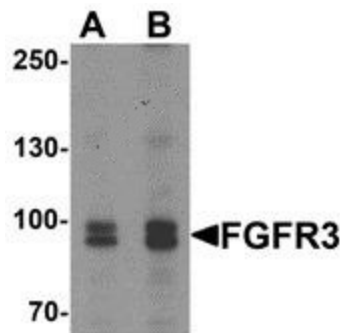
[View online »](#)

Background:

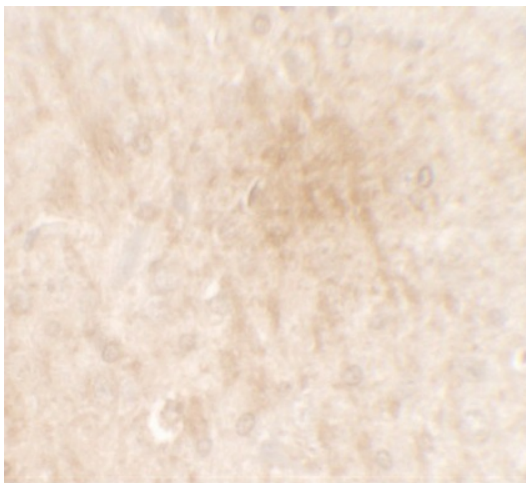
FGFR3 Antibody: FGFR3 is a tyrosine-protein kinase that acts as cell-surface receptor for fibroblast growth factors and plays an essential role in the regulation of cell proliferation, differentiation and apoptosis (1). It is required for normal skeleton development and promotes apoptosis in chondrocytes and cancer cell proliferation. FGFR3 protein contains three immunoglobulin-like domains, a single hydrophobic membrane-spanning segment and a cytoplasmic tyrosine kinase domain (1,2). It is alternatively spliced to produce three isoforms that are expressed in brain, kidney and testis. Defects in FGFR3 are associated with several diseases, including achondroplasia and hypochondroplasia (3,4). Mutations in FGFR3 are also a cause of some bladder and cervical cancers (5).

Synonyms:

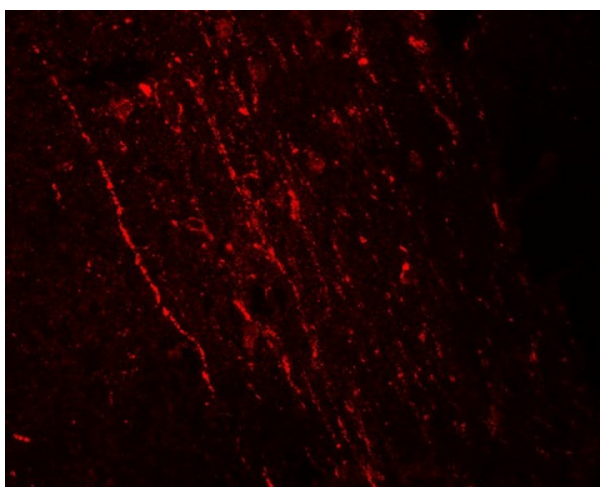
ACH; CD333; CEK2; HSGFR3EX; JTK4

Product images:

Western blot analysis of FGFR3 in SK-N-SH cell lysate with FGFR3 antibody at (A) 0.5 and (B) 1 ug/mL.



Immunohistochemistry of FGFR3 in rat brain tissue with FGFR3 antibody at 2.5 ug/mL.



Immunofluorescence of FGFR3 in rat brain tissue with FGFR3 antibody at 20 ug/mL.