

FGFR3 Rabbit pAb

Catalog No.: A0404 **1 Publications**

Basic Information

Catalog No.

A0404

Observed MW

125kDa

Calculated MW

75kDa/85kDa/87kDa/88kDa

Category

Primary antibody

Applications

WB, IHC, IF

Cross-Reactivity

Human, Mouse, Rat

Recommended Dilutions

WB	1:500 - 1:2000
IHC	1:50 - 1:100
IF	1:50 - 1:200

Contact

 | www.abclonal.com

Background

This gene encodes a member of the fibroblast growth factor receptor (FGFR) family, with its amino acid sequence being highly conserved between members and among divergent species. FGFR family members differ from one another in their ligand affinities and tissue distribution. A full-length representative protein would consist 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 binds acidic and basic fibroblast growth hormone and plays a role in bone development and maintenance. Mutations in this gene lead to craniosynostosis and multiple types of skeletal dysplasia. Three alternatively spliced transcript variants that encode different protein isoforms have been described.

Immunogen Information

Gene ID	Swiss Prot
2261	P22607

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 39-138 of human FGFR3 (NP_000133.1).

Synonyms

ACH;CD333;CEK2;HSFGFR3EX;JTK4;FGFR3

Product Information

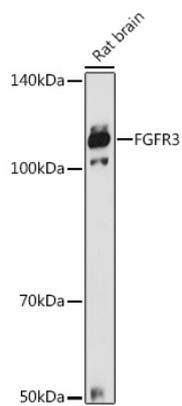
Source	Isotype	Purification
Rabbit	IgG	Affinity purification

Storage

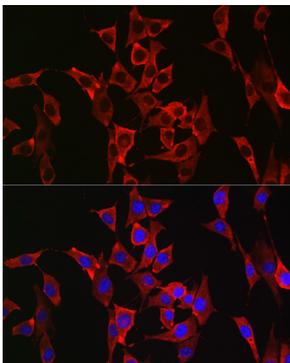
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

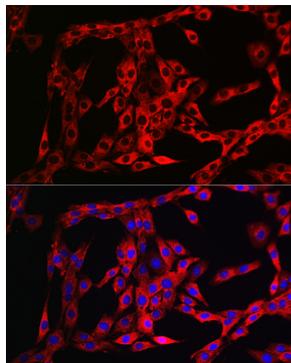
Validation Data



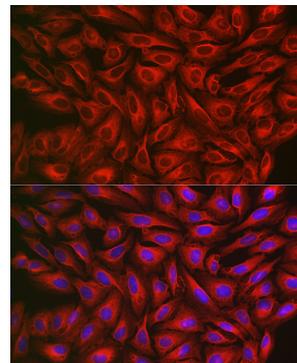
Western blot analysis of extracts of Rat brain, using FGFR3 antibody (A0404) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 30s.



Immunofluorescence analysis of NIH/3T3 cells using FGFR3 Rabbit pAb (A0404) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of PC-12 cells using FGFR3 Rabbit pAb (A0404) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U2OS cells using FGFR3 Rabbit pAb (A0404) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.