

## Anti-FGFR3 Antibody (71878)

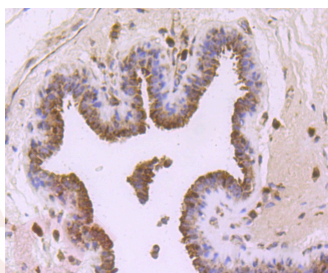
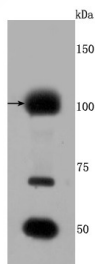
### Product Details

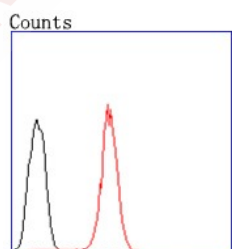
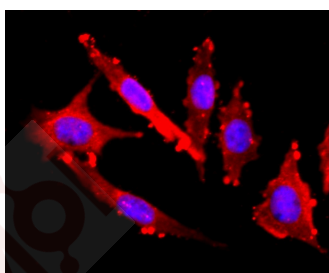
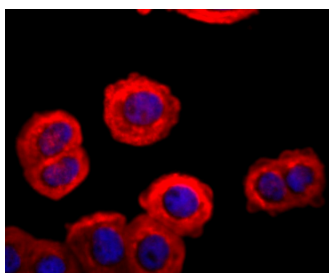
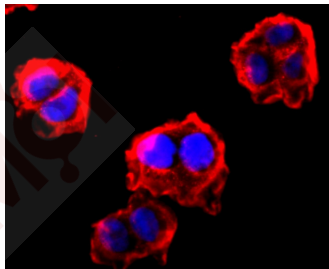
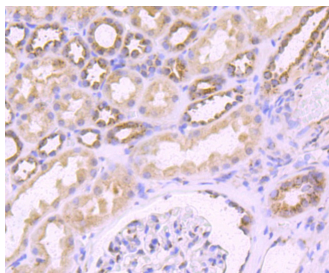
Ig Type:	IgG
Reactivity:	Human
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 100 kDa.
Clone:	71878
Purification:	ProA affinity purified

### Applications

#### Verified Activity:

1. Western blot analysis of FGFR3 on Hela cells lysates using anti-FGFR3 antibody at 1/500 dilution.
2. Immunohistochemical analysis of paraffin-embedded human breast cancer tissue using anti-FGFR3 antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-FGFR3 antibody. Counter stained with hematoxylin.
4. ICC staining FGFR3 in Hela cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
5. ICC staining FGFR3 in MCF-7 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
6. ICC staining FGFR3 in SH-SY5Y cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
7. Flow cytometric analysis of HepG2 cells with FGFR3 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary\_x0018\_antibody.





FGFR3-Alexa Flour 488

Application: FCM, ICC/IF, IHC, WB

Recommended WB: 1:1000-5000; IHC: 1:50-200; ICC/IF: 1:50-200; FCM: 1:50-100

### Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

### Antigen Details

Immunogen: Recombinant Protein  
Uniprot ID: P22607  
Synonyms: CD333;ACH;CEK;FGFR2  $\alpha$ (IIIb);EC 2.7.10;FGFR3;HSFGFR3EX;CEK2;JTK4;FGF R3

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### Research Background

Acidic and basic fibroblast growth factors (FGFs) are members of a family of multifunctional polypeptide growth factors that stimulate proliferation of cells of mesenchymal, epithelial and neuroectodermal origin. Like other growth factors, FGFs act by binding and activating specific cell surface receptors. These include the Flg receptor or FGFR-1, the Bek receptor or FGFR-2, FGFR-3, FGFR-4, FGFR-5 and FGFR-6. These receptors usually contain an extracellular ligand-binding region containing three immunoglobulin-like domains, a transmembrane domain and a cytoplasmic tyrosine kinase domain. The gene encoding human FGFR-3 maps to chromosome 4p16 and is alternatively spliced to produce three isoforms that are expressed in brain, kidney and testis. Defects in FGFR-3 are associated with several diseases, including Crouzon syndrome, achondroplasia, thanatophoric dysplasia, craniosynostosis adelaide type and hypochondroplasia. Mutations in FGFR-3 are also a cause of some bladder and cervical cancers.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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