

FGFR3 Rabbit mAb

Catalog No: #49449

Package Size: #49449-1 50ul #49449-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

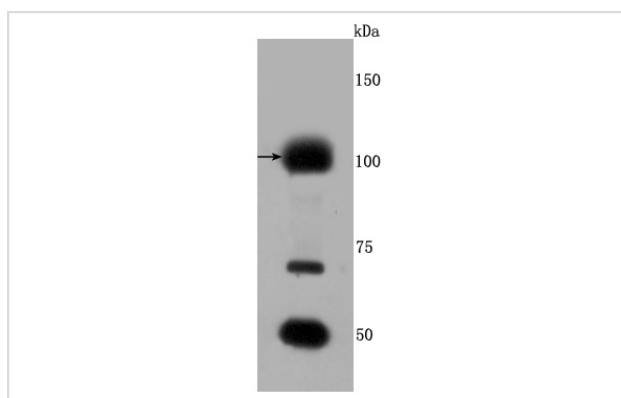
Description

Product Name	FGFR3 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JM81-10
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, FC
Species Reactivity	Human
Immunogen Description	recombinant protein
Conjugates	Unconjugated
Other Names	ACH antibody CD 333 antibody CD333 antibody CD333 antigen antibody CEK 2 antibody CEK2 antibody FGFR 3 antibody FGFR-3 antibody FGFR3 antibody FGFR3_HUMAN antibody Fibroblast growth factor receptor 3 (achondroplasia thanatophoric dwarfism) antibody Fibroblast growth factor receptor 3 antibody Heparin binding growth factor receptor antibody HSPGFR3EX antibody Hydroxyaryl protein kinase antibody JTK 4 antibody JTK4 antibody MFR 3 antibody SAM 3 antibody Tyrosine kinase JTK 4 antibody Tyrosine kinase JTK4 antibody Z FGFR 3 antibody
Accession No.	Swiss-Prot#:P22607
Calculated MW	100 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

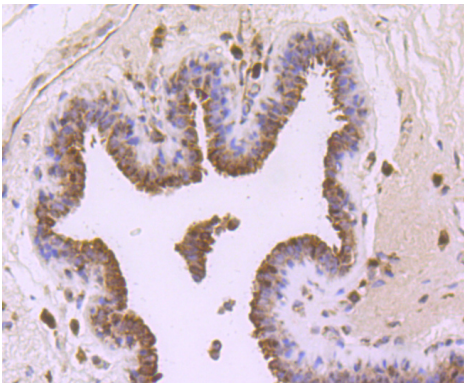
Application Details

WB: 1:1,000-5,000 IHC: 1:50-1:200 ICC: 1:50-1:200 FC: 1:100-1:500

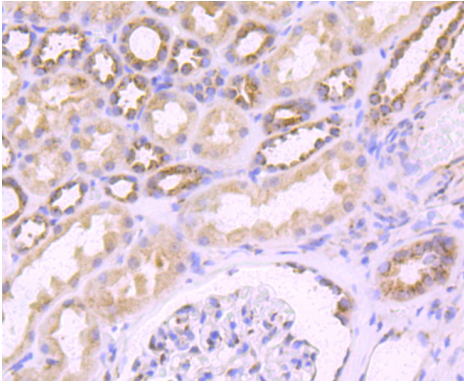
Images



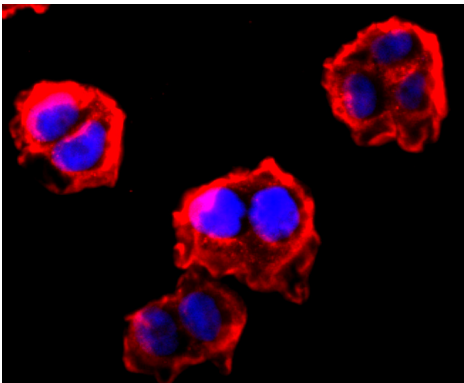
Western blot analysis of FGFR3 on HeLa cells lysates using anti-FGFR3 antibody at 1/500 dilution.



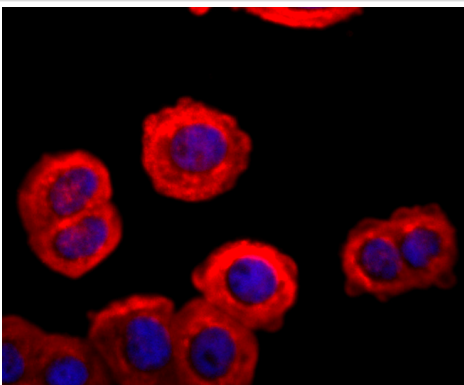
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue using anti-FGFR3 antibody. Counter stained with hematoxylin.



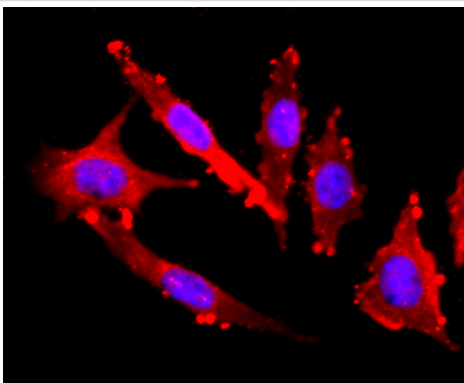
Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-FGFR3 antibody. Counter stained with hematoxylin.



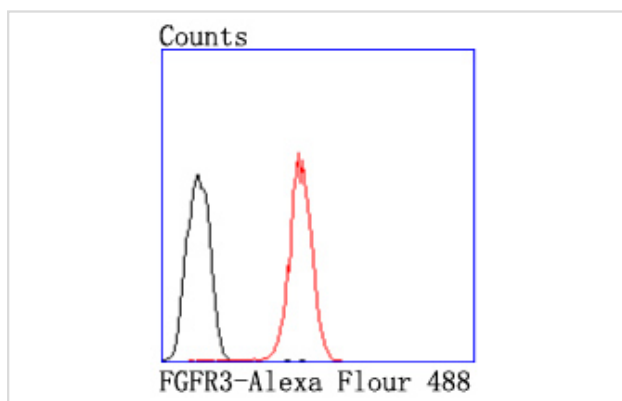
ICC staining FGFR3 in HeLa cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



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.



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.



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 antibody.

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.

References

1. Wolk K. et al. Deficient cutaneous antibacterial competence in cutaneous T-cell lymphomas: role of Th2-mediated biased Th17 function. *Clin Cancer Res* 20:5507-16 (2014).
2. Chung TW. et al. Lipocalin-2 elicited by advanced glycation end-products promotes the migration of vascular smooth muscle cells. *Biochim Biophys Acta* 1833:3386-95 (2013).

Published Papers

Yao Min, Wei Jinrong, Chen Lijie, Li Chunyan, Jiang GuoQin et al., Collagen Hydrogel Loaded With 9-cisRA-Lip Is an Option for Treatment of Secondary Lymphedema after Surgery, *Cancer biotherapy & radiopharmaceuticals*, (2025)

[PMID:39611659](https://pubmed.ncbi.nlm.nih.gov/39611659/)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.