

## FGFR3 Rabbit mAb

Catalog No: #49478

Package Size: #49478-1 50ul #49478-2 100ul

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## Description

Product Name	FGFR3 Rabbit mAb
Clone No.	JM110-33
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
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 HSFGR3EX 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
Uniprot	P22607
GeneID	2261;
Calculated MW	98 kDa
Concentration	1 mg/ml
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

## Application Details

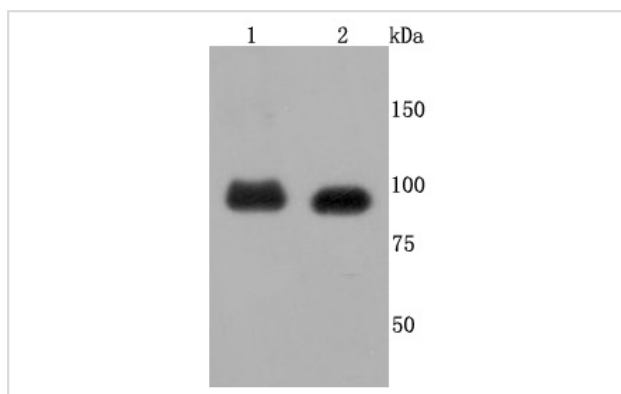
WB: 1:1,000-5,000

IHC: 1:50-1:200

ICC: 1:50-1:200

FC: 1:50-1:100

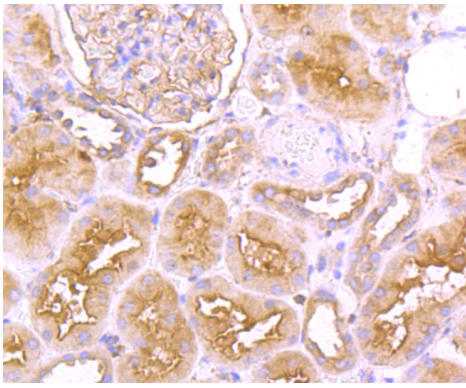
## Images



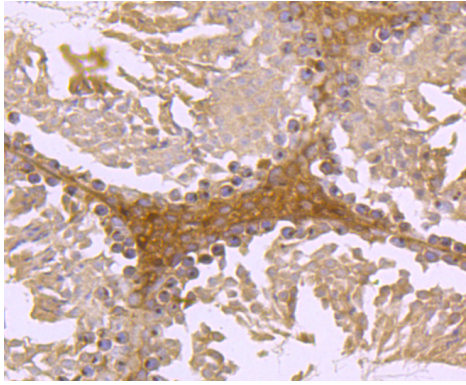
Western blot analysis of FGFR3 on different cells lysates using anti-FGFR3 antibody at 1/500 dilution. Positive control

Line 1: 293

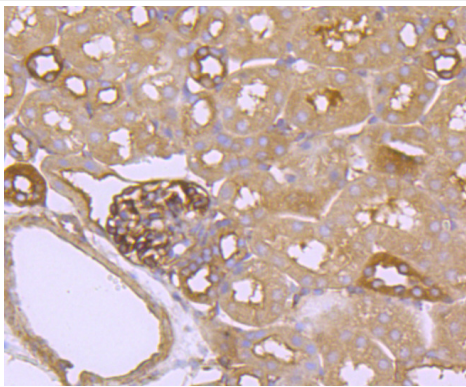
Line 2: HepG2



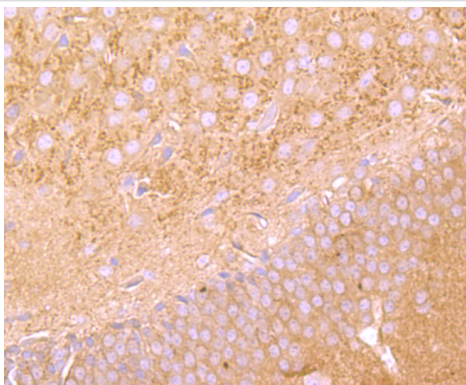
Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-FGFR3 antibody. Counter stained with hematoxylin.



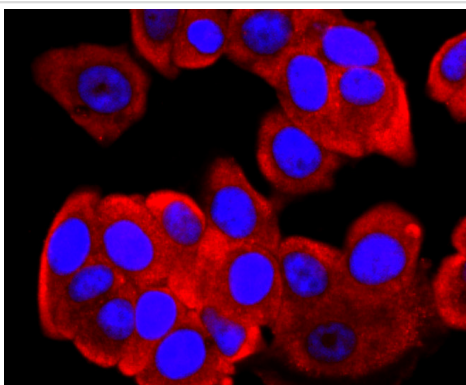
Immunohistochemical analysis of paraffin-embedded mouse testis tissue using anti-FGFR3 antibody. Counter stained with hematoxylin.



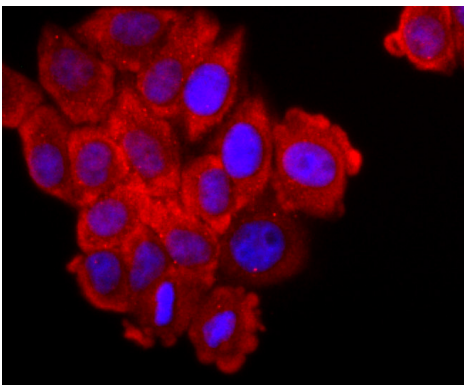
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue using anti-FGFR3 antibody. Counter stained with hematoxylin.



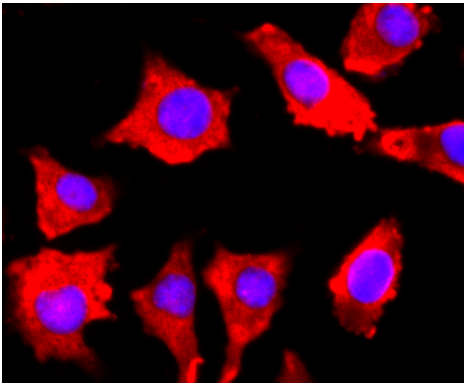
Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-FGFR3 antibody. Counter stained with hematoxylin.



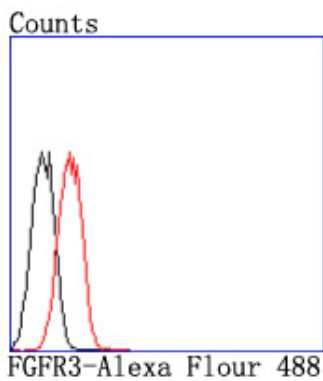
ICC staining FGFR3 in MCF-7 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining FGFR3 in HepG2 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 A549 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 (7-10). Mutations in FGFR-3 are also a cause of some bladder and cervical cancers (11).

Note: This product is for in vitro research use only