

# FGFR3 Rabbit mAb

Catalog No.: A19052

Recombinant

4 Publications

## Basic Information

**Observed MW**

110kDa

**Calculated MW**

88kDa

**Category**

Primary antibody

**Applications**

ELISA, WB, IHC-P

**Cross-Reactivity**

Human, Mouse, Rat

**CloneNo number**

ARC0398

## 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.

## Recommended Dilutions

**WB** 1:500 - 1:1000**IHC-P** 1:1000 - 1:5000

## Immunogen Information

**Gene ID**

2261

**Swiss Prot**

P22607

**Immunogen**

A synthetic peptide corresponding to a sequence within amino acids 1-100 of human FGFR3 (P22607).

**Synonyms**

ACH; CEK2; JTK4; CD333; HSFGR3EX; FGFR3

## Contact

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## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

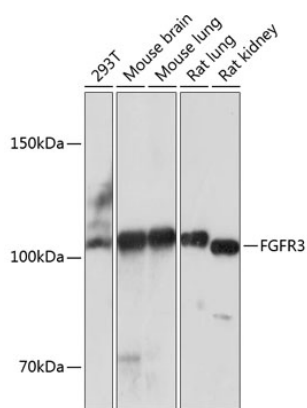
Affinity purification

**Storage**

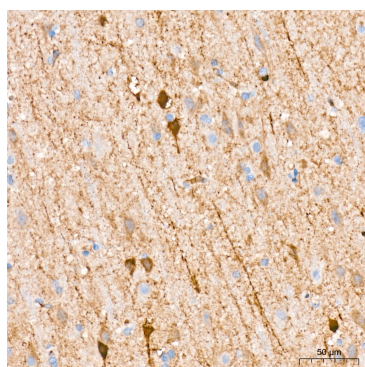
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH 7.3.

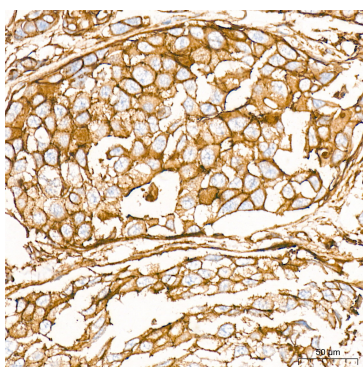
## Validation Data



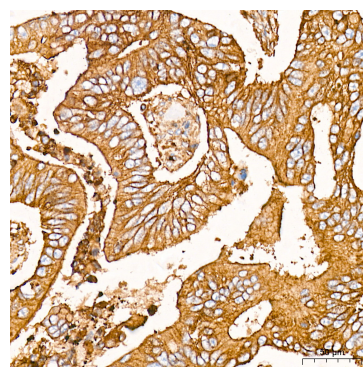
Western blot analysis of various lysates using FGFR3 Rabbit mAb (A19052) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 3min.



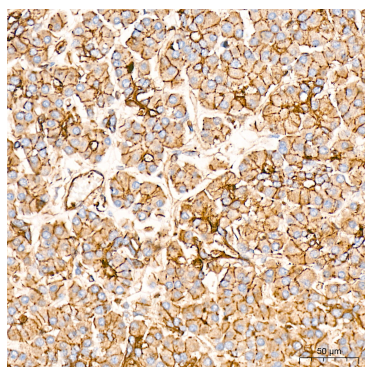
Immunohistochemistry analysis of FGFR3 in paraffin-embedded human brain tissue using FGFR3 Rabbit mAb (A19052) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



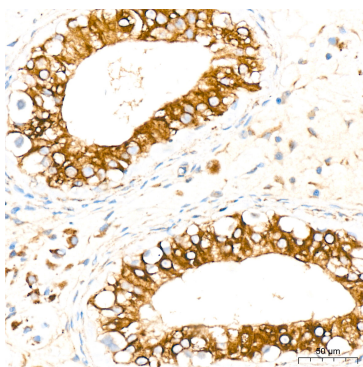
Immunohistochemistry analysis of FGFR3 in paraffin-embedded human breast cancer tissue using FGFR3 Rabbit mAb (A19052) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of FGFR3 in paraffin-embedded human colon carcinoma tissue using FGFR3 Rabbit mAb (A19052) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of FGFR3 in paraffin-embedded human pancreas tissue using FGFR3 Rabbit mAb (A19052) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of FGFR3 in paraffin-embedded human testis tissue using FGFR3 Rabbit mAb (A19052) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.