

Rabbit anti-Mouse FGFR1 Monoclonal Antibody | anti-FGFR1 antibody

Recombinant Anti-FGFR1 Antibody, Rabbit Monoclonal

CATALOG # AAA257105	HOST Rabbit	REACTIVITY Mouse	APPLICATIONS Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

FGFR1; Monoclonal Antibody; Recombinant Anti-FGFR1 Antibody; Rabbit Monoclonal; FGFR1/FGFR5 Antibody; Rabbit MAb; fibroblast growth factor receptor-like 1; Anti-FGFR5 Antibody; Anti-FGFR5beta Antibody; Anti-FGFR5gamma Antibody; anti-FGFR1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	019
Specificity	Mouse FGFR1/FGFR5
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-FGFR1 antibody	IP (Immunoprecipitation), WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant Mouse FGFR1/FGFR5 protein
Conjugation	Unconjugated
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Mouse FGFR1/FGFR5 (rM FGFR1/FGFR5).
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

Mouse FGFR1 was immunoprecipitated using: Lane A: 0.5 mg HeLa Whole Cell Lysate 2 uL anti-Mouse FGFR1 rabbit monoclonal antibody and 15 uL of 50 % Protein G agarose. Primary antibody: Anti-Mouse FGFR1 rabbit monoclonal antibody, at 1:100 dilution. Secondary antibody: Clean-Blot IP Detection Reagent (HRP) at 1:1000 dilution. Developed using the DAB staining technique. Performed under reducing conditions. Predicted band size: 55 kDa. Observed band size: 70 kDa.



WB (Western Blot)

Anti-FGFR1 rabbit monoclonal antibody at 1:500 dilution. Lane A: 293T Whole Cell Lysate. Lane B: HepG2 Whole Cell Lysate. Lysates/proteins at 30 ug per lane. Secondary: Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 55 kDa. Observed band size: 62 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-FGFR1 antibody	Fibroblast growth factor receptor-like 1 (FGFR1) also known as Fibroblast growth factor receptor 5 (FGFR5), is a member of the fibroblast growth factor receptor (FGFR) family, where amino acid sequence is highly conserved between members and throughout evolution. 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. A unique feature of FGFR1/FGFR5 is that it does not contain an intracellular tyrosine kinase domain. Some muscle types, including the muscles of the tongue and the diaphragm, express FGFR1/FGFR5 at relatively high level. In contrast, the heart and the skeletal muscles of the limbs, as well as many other organs (brain, lung, liver, kidney, gut) express Fgfr1 only at basal level. It is conceivable that FGFR1/FGFR5 interacts with other Fgfrs, which are expressed in cartilage and muscle, to modulate FGF signaling.
Product Categories/Family for anti-FGFR1 antibody	Receptor Tyrosine Kinases (RTKs)
References	Wiedemann M, et al. (2000) Characterization of a novel protein (FGFR1) from human cartilage related to FGF receptors. <i>Genomics</i>. 69(2): 275-9. Trueb B, et al. (2006) Expression of FGFR1, a novel fibroblast growth factor receptor, during embryonic development. <i>Int J Mol Med</i>. 17(4): 617-20. Wiedemann M, et al. (2001) The mouse Fgfr1 gene coding for a novel FGF receptor-like protein. <i>Biochim Biophys Acta</i>. 1520(3): 247-50. Trueb B, et al. (2003) Characterization of FGFR1, a novel fibroblast growth factor (FGF) receptor preferentially expressed in skeletal tissues. <i>J Biol Chem</i>. 278(36): 33857-65.

NCBI AND UNIPROT INFORMATION

NCBI GI #	16905101
NCBI GeneID	116701
NCBI Accession #	NP_473412.1
NCBI GenBank Nucleotide #	NM_054071.2
UniProt Accession #	Q91V87 ; Q920C2 ; Q920C3
Molecular Weight	46,981 Da
NCBI Official Full Name	fibroblast growth factor receptor-like 1 isoform 1
NCBI Official Synonym Full Names	fibroblast growth factor receptor-like 1
NCBI Official Symbol	Fgfr1
NCBI Official Synonym Symbols	FGFR5; FGFR5beta; FGFR5gamma
NCBI Protein Information	fibroblast growth factor receptor-like 1
UniProt Protein Name	Fibroblast growth factor receptor-like 1
UniProt Gene Name	Fgfr1
UniProt Synonym Gene Names	Fgfr5; FGF receptor-like protein 1; FGFR-5
UniProt Entry Name	FGRL1_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/monoclonal/fgfr1-antibody-clone-019-immunoprecipitation-western-blot-elisa/257105>