

Rabbit anti-Mouse, rat Fgfr4 Polyclonal Antibody | anti-Fgfr4 antibody

Mouse Fgfr4 Antibody (Center)

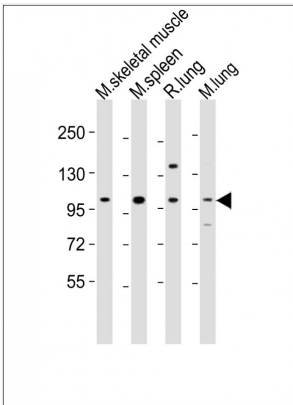
CATALOG # AAA285836	HOST Rabbit	REACTIVITY Mouse, rat	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

Fgfr4; Polyclonal Antibody; Mouse Fgfr4 Antibody (Center); Fibroblast growth factor receptor 4; FGFR-4; Protein-tyrosine kinase receptor MPK-11; CD334; Fgfr-4; Mpk-11; anti-Fgfr4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, rat
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Mouse Fgfr4 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 448-482 amino acids from the Central region of Mouse Fgfr4.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Length	799
Applicable Applications for anti-Fgfr4 antibody	ELISA, WB (Western Blot)
Crown Antibody	Yes
Clone Names	RB50681
Antigen Source	HUMAN
Cellular Location	Cell membrane; Single-pass type I membrane protein Endosome. Endoplasmic reticulum Note=Internalized from the cell membrane to recycling endosomes, and from there back to the cell membrane.
Tissue Location	Isoform 1 and isoform 2 are expressed in lung and proliferating myoblasts and myotubes of primary myogenic cells (at protein level). Isoform 1 and isoform 2 are expressed in liver, muscle, spleen, heart, lung, kidney and in primary myogenic cells.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



WB (Western Blot)
All lanes : Anti-Fgfr4 Antibody (Center) at 1:2000 dilutionLane 1: mouse skeletal muscle lysatesLane 2: mouse spleen lysatesLane 3: rat lung lysatesLane 4: mouse lung lysatesLysates/proteins at 20 ug per lane.SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilutionPredicted band size : 89 kDaBlocking/Dilution buffer: 5% NFDm/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-Fgfr4 antibody	Tyrosine-protein kinase that acts as cell-surface receptor for fibroblast growth factors and plays a role in the regulation of cell proliferation, differentiation and migration, and in regulation of lipid metabolism, bile acid biosynthesis, glucose uptake, vitamin D metabolism and phosphate homeostasis. Required for normal down-regulation of the expression of CYP7A1, the rate-limiting enzyme in bile acid synthesis, in response to FGF19. Phosphorylates PLCG1 and FRS2. Ligand binding leads to the activation of several signaling cascades. Activation of PLCG1 leads to the production of the cellular signaling molecules diacylglycerol and inositol 1,4,5-trisphosphate. Phosphorylation of FRS2 triggers recruitment of GRB2, GAB1, PIK3R1 and SOS1, and mediates activation of RAS, MAPK1/ERK2, MAPK3/ERK1 and the MAP kinase signaling pathway, as well as of the AKT1 signaling pathway. Promotes SRC-dependent phosphorylation of the matrix protease MMP14 and its lysosomal degradation. FGFR4 signaling is down-regulated by receptor internalization and degradation; MMP14 promotes internalization and degradation of FGFR4. Plays a role in postnatal lung development. May be involved in the development of skeletal muscle cell lineages.
Product Categories/Family for anti-Fgfr4 antibody	Signal Transduction; Neuroscience; Immunology; Cell Biology; Cancer; Crown Antibodies; Amyotrophic Lateral Sclerosis (ALS)
References	Stark K.L.,et al.Development 113:641-651(1991). Kwiatkowski B.A.,et al.J. Cell. Physiol. 215:803-817(2008). Carninci P.,et al.Science 309:1559-1563(2005). Gilardi-Hebenstreit P.,et al.Oncogene 7:2499-2506(1992). Weinstein M.,et al.Development 125:3615-3623(1998).

NCBI AND UNIPROT INFORMATION

NCBI GI #	112293260
NCBI GeneID	14186
NCBI Accession #	NP_032037.2
NCBI GenBank Nucleotide #	NM_008011.2
UniProt Accession #	Q03142; Q27Q87; Q5J7D9; Q8C3V5; Q8CIB8
Molecular Weight	88661
NCBI Official Full Name	fibroblast growth factor receptor 4
NCBI Official Synonym Full Names	fibroblast growth factor receptor 4

NCBI Official Symbol	Fgfr4
NCBI Official Synonym Symbols	Fgfr-4
NCBI Protein Information	fibroblast growth factor receptor 4
UniProt Protein Name	Fibroblast growth factor receptor 4
UniProt Gene Name	Fgfr4
UniProt Synonym Gene Names	Fgfr-4; Mpk-11; FGFR-4
UniProt Entry Name	FGFR4_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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/fgfr4-antibody-western-blot-elisa/285836>