

Rabbit anti-Human, mouse Fgfr1 Polyclonal Antibody | anti-Fgfr1 antibody

Mouse Fgfr1 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287866	Rabbit	Human, mouse	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

Fgfr1; Polyclonal Antibody; Mouse Fgfr1 Antibody (C-term); Fibroblast growth factor receptor 1; FGFR-1; bFGF-R-1; Basic fibroblast growth factor receptor 1; MFR; Proto-oncogene c-Fgr; CD331; Flg; anti-Fgfr1 antibody

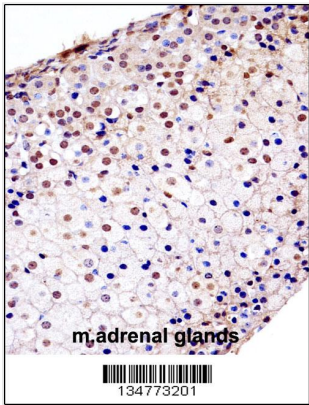
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Mouse Fgfr1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 756-784 amino acids from the C-terminal region of mouse Fgfr1.
Purity/Purification	Peptide Affinity 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 Positions	756-784
Sequence Length	820
Applicable Applications for anti-Fgfr1 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	MOUSE
Function	Tyrosine-protein kinase that acts as cell-surface receptor for fibroblast growth factors and plays an essential role in the regulation of embryonic development, cell proliferation, differentiation and migration. Required for normal mesoderm patterning and correct axial organization during embryonic development, normal skeletogenesis and normal development of the gonadotropin-releasing hormone (GnRH) neuronal system. Phosphorylates PLCG1, FRS2, GAB1 and SHB. 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 phosphorylation of SHC1, STAT1 and PTPN11/SHP2. In the nucleus, enhances RPS6KA1 and CREB1 activity and contributes to the regulation of transcription. FGFR1 signaling is down-regulated by IL17RD/SEF, and by FGFR1 ubiquitination, internalization and degradation (By similarity).
Cellular Location	Cell membrane; Single-pass type I membrane protein. Nucleus. Cytoplasm, cytosol. Cytoplasmic vesicle Note=After ligand binding, both receptor and ligand are rapidly internalized. Can translocate to the nucleus after internalization, or by translocation from the endoplasmic reticulum or Golgi apparatus to the cytosol, and from there to the nucleus Isoform 5: Cell membrane; Single-pass type I membrane protein
Tissue Location	Widely expressed.

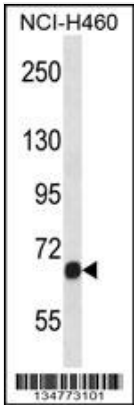
Preparation and Storage

Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
Mouse Fgfr1 Antibody (C-term) (AAA287866)immunohistochemistry analysis in formalin fixed and paraffin embedded mouse adrenal glands followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of Mouse Fgfr1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
Mouse Fgfr1 Antibody (C-term) western blot analysis in NCI-H460 cell line lysates (35ug/lane).This demonstrates the Fgfr1 antibody detected the Fgfr1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-Fgfr1 antibody	Receptor for basic fibroblast growth factor. A shorter form of the receptor could be a receptor for FGF1 (aFGF). Receptor for FGF23 in the presence of KL.
Product Categories/Family for anti-Fgfr1 antibody	Cancer; Cardiovascular; Neuroscience; Signal transduction
References	Drogat, B., et al. Blood 116(12):2141-2151(2010) Bowles, J., et al. Dev. Cell 19(3):440-449(2010) Chung, W.C., et al. J. Neuroendocrinol. 22(8):944-950(2010) Pond, A.C., et al. Cancer Res. 70(12):4868-4879(2010) Maruyama, T., et al. Sci Signal 3 (123), RA40 (2010) :

NCBI AND UNIPROT INFORMATION

NCBI GI #	120952698
NCBI GeneID	14182
NCBI Accession #	NP_001073377.1; NP_001073378.1; NP_034336.2
NCBI GenBank Nucleotide #	NM_001079908.2
UniProt Accession #	P16092; Q01736; Q60830; Q61562; Q80T10; Q8CFK8; Q9QZM7; E9Q2P4
Molecular Weight	91981
NCBI Official Full Name	fibroblast growth factor receptor 1 isoform 2
NCBI Official Synonym Full Names	fibroblast growth factor receptor 1
NCBI Official Symbol	Fgfr1
NCBI Official Synonym Symbols	FLG; MFR; Eask; Hspy; Flt-2; c-fgr; Fgfr-1; AW208770; bFGF-R-1
NCBI Protein Information	fibroblast growth factor receptor 1
UniProt Protein Name	Fibroblast growth factor receptor 1

UniProt Gene Name	Fgfr1
UniProt Synonym Gene Names	Flg; FGFR-1; bFGF-R-1
UniProt Entry Name	FGFR1_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/polyclonal/fgfr1-antibody-immunohistochemistry-western-blot-elisa/287866>