

Rabbit anti-Human FGF4 Polyclonal Antibody | anti-FGF4 antibody

Anti-FGF4 Antibody Picoband

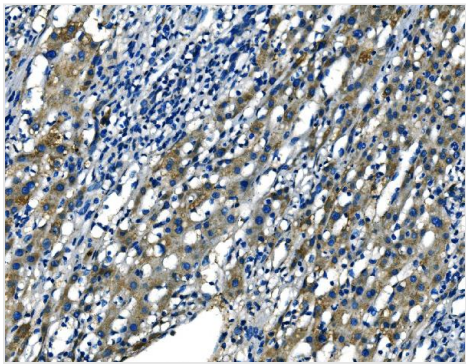
CATALOG # AAA126163	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
-------------------------------	-----------------------	----------------------------	---

PRODUCT SYNONYMS

FGF4; Polyclonal Antibody; Anti-FGF4 Antibody Picoband; anti-FGF4 antibody

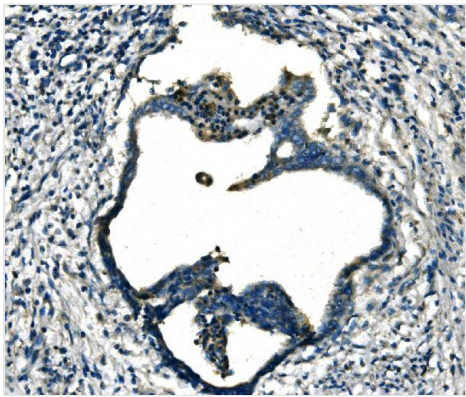
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Natural and recombinant Mouse Pf4
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-FGF4 antibody	IHC (Immunohistochemistry)
Assay Type	Sandwich
Samples	Cell culture supernatants, cell lysates, serum and plasma (heparin, EDTA)
Detection Range	15.6 pg/ml - 1,000 pg/ml
Sensitivity	<1 pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays): Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.



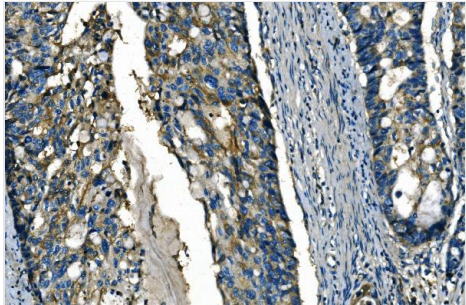
IHC (Immunohistochemisry)

Figure 3. IHC analysis of FGF4 using anti-FGF4 antibody (AAA126163).FGF4 was detected in a paraffin-embedded section of human liver cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-FGF4 Antibody (AAA126163) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



IHC (Immunohiostchemistry)

Figure 2. IHC analysis of FGF4 using anti-FGF4 antibody (AAA126163).FGF4 was detected in a paraffin-embedded section of human cervical cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-FGF4 Antibody (AAA126163) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 1. IHC analysis of FGF4 using anti-FGF4 antibody (AAA126163).FGF4 was detected in a paraffin-embedded section of human adenocarcinoma of the right colon tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-FGF4 Antibody (AAA126163) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.

ADDITIONAL INFORMATION

Related Product Information for anti-FGF4 antibody	Background: Platelet factor 4(PF4) is a small cytokine belonging to the CXC chemokine family that is also known as chemokine(C-X-C motif) ligand 4(CXCL4). The PF4 gene was localized on map to 4q12-q13. Chemokines play fundamental roles in the development, homeostasis, and function of the immune system, and they have effects on cells of the central nervous system as well as on endothelial cells involved in angiogenesis or angiostasis. Platelet factor-4 is a 70-amino acid protein that is released from the alpha-granules of activated platelets and binds with high affinity to heparin. Its major physiologic role appears to be neutralization of heparin-like molecules on the endothelial surface of blood vessels, thereby inhibiting local antithrombin III activity and promoting coagulation. As a strong chemoattractant for neutrophils and fibroblasts, PF4 probably has a role in inflammation and wound repair. Principle of the Assay: The Quick Picokine™ Mouse Pf4 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Mouse Pf4 in cell culture supernatants, cell lysates, serum and plasma (heparin, EDTA). It uses our proprietary Quick ELISA technology. Quick ELISA technology employs capture antibodies conjugated to an affinity tag that is recognized by the polyclonal antibody used to coat our Quick ELISA plates. This approach to sandwich ELISA allows the formation of the antibody-analyte sandwich complex in a single step, significantly reducing assay time. The kit contains recombinant Mouse Pf4 with immunogen: Expression system for standard: E.coli; Immunogen sequence: V30-S105. To measure Mouse Pf4, add standards and samples to the wells, then add antibody cocktail. Wash the wells with PBS or TBS buffer, and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product is linearly proportional to Mouse Pf4 in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Mouse Pf4 in the sample.
Product Categories/Family for anti-FGF4 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503701
NCBI GeneID	2249
NCBI Accession #	NP_001998.1
NCBI GenBank Nucleotide #	NM_002007.2
UniProt Accession #	P08620; B7U994; AAB21430
Molecular Weight	12,237 Da
NCBI Official Full Name	fibroblast growth factor 4
NCBI Official Synonym Full Names	fibroblast growth factor 4
NCBI Official Symbol	FGF4
NCBI Official Synonym Symbols	HST; KFGF; HST-1; HSTF1; K-FGF; HBGF-4
NCBI Protein Information	fibroblast growth factor 4; FGF-4; HSTF-1; fibroblast growth factor 4 splice isoform; heparin secretory transforming protein 1; heparin secretory-transforming protein 1; heparin-binding growth factor 4; human stomach cancer, transforming factor from FGF-r
UniProt Protein Name	Fibroblast growth factor 4
UniProt Gene Name	FGF4
UniProt Synonym Gene Names	HST; HSTF1; KS3; FGF-4; HST; HST-1; HSTF-1; HBGF-4
UniProt Entry Name	FGF4_HUMAN

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.