

Datasheet for ABIN4886581
anti-FGF1 antibody (AA 16-155)[Go to Product page](#)

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Overview

Quantity:	100 µg
Target:	FGF1
Binding Specificity:	AA 16-155
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Fibroblast growth factor 1(FGF1) detection. Tested with WB, IHC-P, ELISA in Human,Mouse,Rat.
Immunogen:	E. coli-derived human FGF1 recombinant protein (Position: F16-D155). Human FGF1 shares 96.4% amino acid (aa) sequence identity with both mouse and rat FGF1.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	<p>Rabbit IgG polyclonal antibody for Fibroblast growth factor 1(FGF1) detection. Tested with WB, IHC-P, ELISA in Human,Mouse,Rat.</p> <p>Gene Name: fibroblast growth factor 1(acidic)</p> <p>Protein Name: Fibroblast growth factor 1</p>
Purification:	Immunogen affinity purified.

Target Details

Target:	FGF1
Alternative Name:	FGF1 (FGF1 Products)
Background:	<p>Fibroblast growth factor 1 (acidic), also known as FGF1/ECGF/HBGF1, is a human gene which is mapped to 5q31. The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. This protein functions as a modifier of endothelial cell migration and proliferation, as well as an angiogenic factor. It also acts as a mitogen for a variety of mesoderm- and neuroectoderm-derived cells in vitro, thus is thought to be involved in organogenesis.</p> <p>Synonyms: ECGF aFGF FGF 1 FGF-1 FGF1 Fgf-1 Fgfa FGFA HBGF1 HBGF-1 fgf19 P05230</p>
Gene ID:	2246
UniProt:	P05230
Pathways:	RTK Signaling , Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway

Application Details

Application Notes:	<p>WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Rat, Predicted Species: Human</p> <p>IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Mouse, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.</p> <p>ELISA: Concentration: 0.1-0.5 µg/mL, Tested Species: Human</p> <p>Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities. Other applications have not been tested.</p> <p>Optimal dilutions should be determined by end users.</p>
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).
Restrictions:	For Research Use only

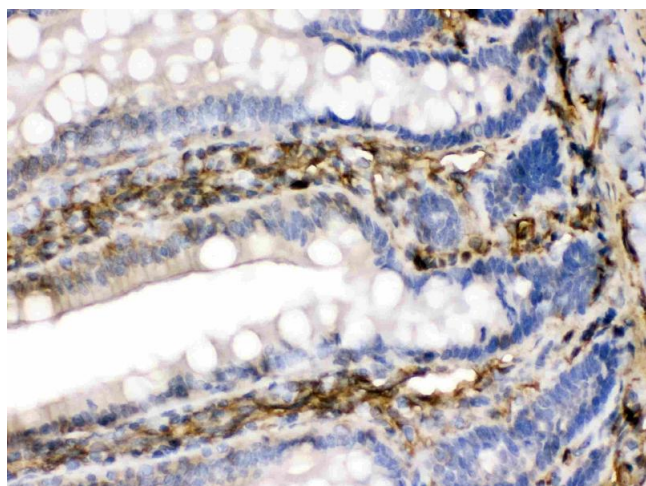
Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Publications

Product cited in:	Huang, Zhu, Zhang, Zhu, Liu, Zhu, Wang, Li, Yang, Dong, Liu, Chen, Zhang, Yang, Deng, Fan, Wang, Liu, Ma, Fu, Wu: "S100+ cells: a new neuro-immune cross-talkers in lymph organs." in: Scientific reports , Vol. 3, pp. 1114, (2013) (PubMed).
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Images



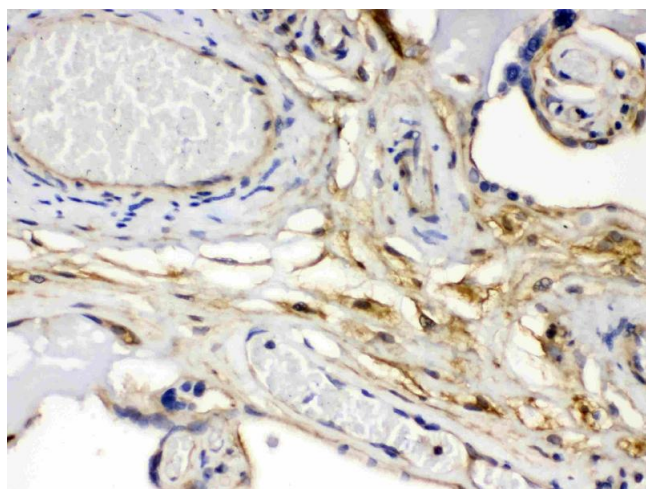
Immunohistochemistry

Image 1. FGF1 was detected in paraffin-embedded sections of rat intestine tissues using rabbit anti- FGF1 Antigen Affinity purified polyclonal antibody (Catalog #) at 1 µg/mL. The immunohistochemical section was developed using SABC method (Catalog # SA1022).



Western Blotting

Image 2. Western blot analysis of FGF1 expression in rat cardiac muscle extract (Lane 1). FGF1 at 24KD was detected using rabbit anti- FGF1 Antigen Affinity purified polyclonal antibody (Catalog #) at 0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method (Catalog # EK1002).



Immunohistochemistry

Image 3. FGF1 was detected in paraffin-embedded sections of human placenta tissues using rabbit anti- FGF1 Antigen Affinity purified polyclonal antibody (Catalog #) at 1 µg/mL. The immunohistochemical section was developed using SABC method (Catalog # SA1022).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN4886581.