

FGF7 Antibody

Catalog No: #31162

Package Size: #31162-1 50ul #31162-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	FGF7 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	ELISA WB IHC
Species Reactivity	Human;Mouse;Rat
Specificity	The antibody detects endogenous level of total FGF7 protein.
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide corresponding to a region derived from 179-182 amino acids of Human Fibroblast growth factor 7
Conjugates	Unconjugated
Target Name	FGF7
Other Names	Fibroblast growth factor 7 , KGF, HBGF-7
Accession No.	Swiss-Prot:P21781Gene ID:860
Concentration	0.4mg/ml
Formulation	Supplied at 2.5mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.3, 0.05% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

Application Details

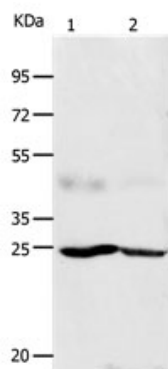
Predicted MW: 23kd

ELISA: 1:500-1:5000

Western blotting: 1:1000-1:3000

Immunohistochemistry: 1:50-1:200

Images



Gel: 10%SDS-PAGE

Lane1: Human gastric cancer tissue lysate

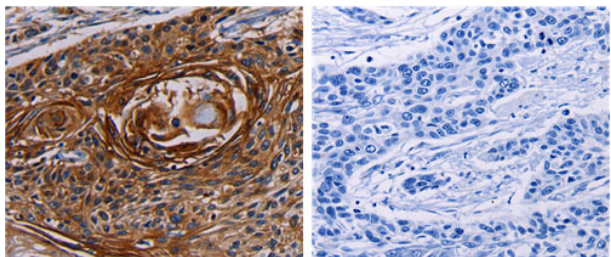
Lane2: Human esophagus cancer tissue lysate

Lysate: 40ug

Primary antibody: 1/1250 dilution

Secondary antibody: Donkey anti Rabbit IgG - H&L (HRP) at 1/5000 dilution

Exposure time: 1 second



The image on the left is immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using 31162 (FGF7 Antibody) at dilution 1/15, on the right is treated with the synthetic peptide.

Background

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 is a potent epithelial cell-specific growth factor, whose mitogenic activity is predominantly exhibited in keratinocytes but not in fibroblasts and endothelial cells. Studies of mouse and rat homologs of this gene implicated roles in morphogenesis of epithelium, reepithelialization of wounds, hair development and early lung organogenesis.

Published Papers

el at., Maldevelopment of the submandibular gland in a mouse model of apert syndrome. In Dev Dyn. On 2018 Nov by Yamaji K, Morita J et al..PMID:30251381, , (2018)

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el at., Ser252Trp mutation in fibroblast growth factor receptor 2 promotes branching morphogenesis in mouse salivary glands. In J Oral Biosci on 2024 Mar by Daiki Iwata, Kaori Kometani-Gunjigake,et al..PMID:38246420, , (2024)

[PMID:38246420](#)

Zhou Haiyang;Shen Yiwen;Zheng Guangyong;Zhang Beibei;Wang Anqi;Zhang Jing;Hu Hao;Lin Jiayi;Liu Sanhong;Luan Xin;Zhang Weidong el at., Integrating single-cell and spatial analysis reveals MUC1-mediated cellular crosstalk in mucinous colorectal adenocarcinoma, , (2024)

[PMID:](#)

Zhu Tian-Yi;Hu Po;Mi Yu-Hui;Zhang Jun-Li;Xu An-Na;Gao Ming-Tong;Zhang Ying-Ying;Shen San-Bing;Yang Guang-Ming;Pan Yang el at., Telomerase reverse transcriptase gene knock-in unleashes enhanced longevity and accelerated damage repair in mice, , (2024)

[PMID:](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.