FGF-18 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP03207
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human FGF18. AA range:151-200
Mol wt	23989
Species reactivity	Human
Clonality	Polyclonal
Recommended application	IHC-p, IF, ELISA
Concentration	1 mg/ml
Full name	FGF-18 Antibody
Synonyms	FGF18; Fibroblast growth factor 18; FGF-18; zFGF5

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

The protein encoded by FGF18 (fibroblast growth factor 18) 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. It has been shown in vitro that this protein is able to induce neurite outgrowth in PC12 cells. Studies of the similar proteins in mouse and chick suggested that this protein is a pleiotropic growth factor that stimulates proliferation in a number of tissues, most notably the liver and small intestine. Knockout studies of the similar gene in mice implied the role of this protein in regulating proliferation and differentiation of midline cerebellar structures.
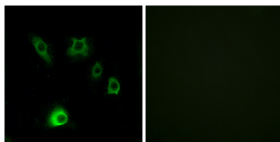
Recommended Dilution

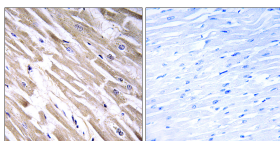IHC: 1: 100 - 1: 300
IF: 1: 200 - 1: 1000
ELISA: 1: 40000
Not yet tested in other applications.

Images

Immunofluorescence analysis of HUVEC cells, using FGF18 Antibody. The picture on the right is blocked with the synthesized peptide.

Immunohistochemistry analysis of paraffin-embedded human heart tissue, using FGF18 Antibody. The picture on the right is blocked with the synthesized peptide.

Storage

-20°C for one year