Product Name: FGF18 Rabbit Polyclonal Antibody
Catalog #: APRab00517
For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% sodium azide, pH 7.3.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:1000,IHC 1:50-1:100,ELISA 1:5000-1:20000
Molecular Weight	Calculated MW: 24 kDa; Observed MW: 28 kDa

Antigen Information

Gene Name	FGF18
Alternative Names	FGF18; Fibroblast growth factor 18; FGF-18; zFGF5
Gene ID	8817
SwissProt ID	O76093
Immunogen	The antiserum was produced against synthesized peptide derived from the C-terminal region of human FGF18. AA range:158-207

Background

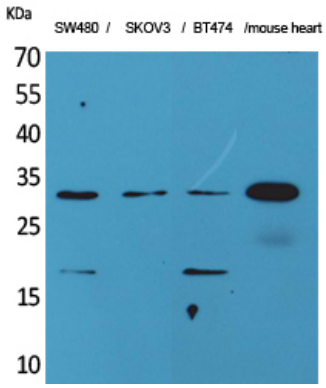
The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad

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. 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 inTine. Knockout studies of the similar gene in mice implied the role of this protein in regulating proliferation and differentiation of midline cerebellar structures.

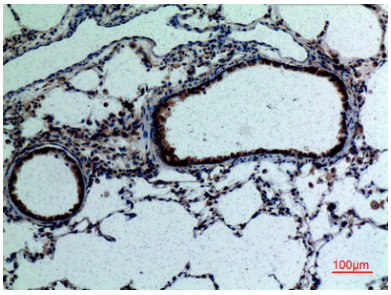
Research Area

Signal Transduction

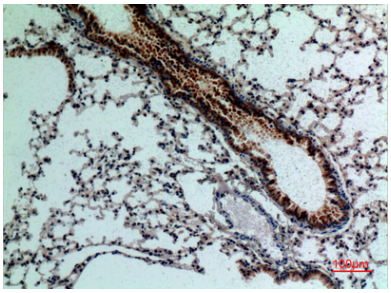
Image Data



Western blot analysis of FGF18 in SW480, SKOV-3, BT474, mouse heart lysates using FGF18 antibody.



Immunohistochemistry analysis of paraffin-embedded rat lung using FGF18 antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Immunohistochemistry analysis of paraffin-embedded mouse lung using FGF18 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.