

Product Name: FGF-1 Rabbit Polyclonal Antibody
Catalog #: APRab10918



Summary

Production Name	FGF-1 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	IHC,ELISA
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	FGF1
Alternative Names	FGF1; FGFA; Fibroblast growth factor 1; FGF-1; Acidic fibroblast growth factor; aFGF; Endothelial cell growth factor; ECGF; Heparin-binding growth factor 1; HBGF-1
Gene ID	2246.0
SwissProt ID	P05230.The antiserum was produced against synthesized peptide derived from human FGF-1. AA range:7-56

Application

Dilution Ratio	IHC 1:100 - 1:300. ELISA: 1:10000..
Molecular Weight	

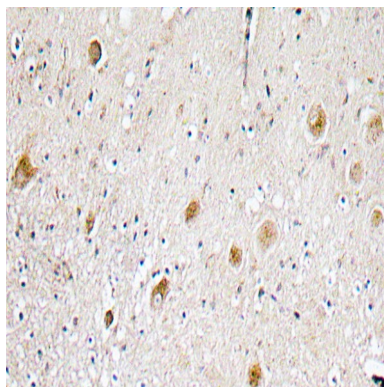
Background

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 functions as a modifier of endothelial cell migration and proliferation, as well as an angiogenic factor. It acts as a mitogen for a variety of mesoderm- and neuroectoderm-derived cells in vitro, thus is thought to be involved in organogenesis. Multiple alternatively spliced variants encoding different isoforms have been described. [provided by RefSeq, Jan 2009],function:The heparin-binding growth factors are angiogenic agents in vivo and are potent mitogens for a variety of cell types in vitro. There are differences in the tissue distribution and concentration of these 2 growth factors.,miscellaneous:This protein binds heparin, although less strongly than does bFGF.,similarity:Belongs to the heparin-binding growth factors family.,subunit:Monomer. Binds FGFR2. Forms a ternary complex containing 2 molecules each of FGFR2 and FGF1 for 1 heparin molecule. Found in a complex with FGFBP1, FGF1 and FGF2. Interacts with FGFBP1.,

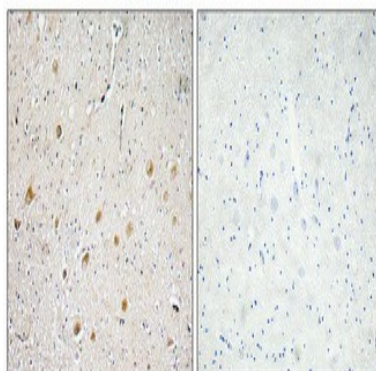
Research Area

MAPK_ERK_Growth;MAPK_G_Protein;Regulates Actin and Cytoskeleton;Pathways in cancer;Melanoma;

Image Data



Immunohistochemistry analysis of FGF-1 antibody in paraffin-embedded human brain tissue.



Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100 (4°,overnight) . High-

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pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative control (right) obtained from antibody was pre-absorbed by immunogen peptide.

Note

For research use only.