

Anti-FGF9 Antibody

Catalog # ABO10773

Product Information

Application	WB, IHC-P
Primary Accession	P31371
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Fibroblast growth factor 9(FGF9) detection. Tested with WB, IHC-P in Human;Mouse;Rat.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	2254
Other Names	Fibroblast growth factor 9, FGF-9, Glia-activating factor, GAF, Heparin-binding growth factor 9, HBGF-9, FGF9
Calculated MW	23441
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 μ g/ml, Rat, Mouse, By Heat Western blot, 0.1-0.5 μ g/ml, Human, Rat, Mouse
Subcellular Localization	Secreted.
Tissue Specificity	Glial cells.
Source	Eukaryota
Protein Name	Fibroblast growth factor 9(FGF-9)
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human FGF9(150-164aa SNLYKHVDTGRRYYV), identical to the related mouse and rat sequences.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins

Storage	At -20 °C for one year. After r ° Constitution, 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.
Sequence Similarities	Belongs to the heparin-binding growth factors family.

Protein Information

Name	FGF9
Function	Plays an important role in the regulation of embryonic development, cell proliferation, cell differentiation and cell migration. May have a role in glial cell growth and differentiation during development, gliosis during repair and regeneration of brain tissue after damage, differentiation and survival of neuronal cells, and growth stimulation of glial tumors.
Cellular Location	Secreted.
Tissue Location	Glial cells.

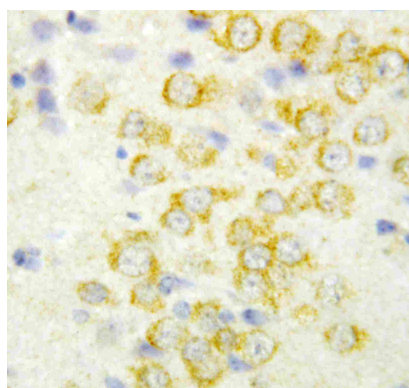
Background

FGF 9, Fibroblast growth factor 9, is a protein that in humans is encoded by the FGF9 gene. The protein encoded by this gene is a member of the fibroblast growth factor(FGF) family. The FGF 9 gene contains 3 exons. By radioactive chromosomal in situ hybridization, the FGF 9 gene is mapped to chromosome 13q11-q12. This protein was isolated as a secreted factor that exhibits a growth-stimulating effect on cultured glial cells. In nervous system, this protein is produced mainly by neurons and may be important for glial cell development. Expression of the mouse homolog of this gene was found to be dependent on Sonic hedgehog(Shh) signaling.

Images



Anti-FGF9 antibody, ABO10773, Western blottingAll lanes:
Anti FGF9 (ABO10773) at 0.5ug/mlLane 1: Rat Brain Tissue
Lysate at 50ugLane 2: HELA Whole Cell Lysate at
40ugPredicted bind size: 23KDObserved bind size: 23KD



Anti-FGF9 antibody, ABO10773, IHC(P)IHC(P): Rat Brain
Tissue

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