

Anti-FGF9 Antibody

Catalog # ABO10773

Specification

Anti-FGF9 Antibody - Product Information

ApplicationWB, IHC-PPrimary AccessionP31371HostRabbitReactivityHuman, Mouse, RatClonalityPolyclonalFormatLyophilizedDescriptionRabbit 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.

Anti-FGF9 Antibody - 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 MW KDa

Application Details Immunohistochemistry(Paraffin-embedded Section), 0.5-1 μg/ml, Rat, Mouse, By Heat
Western blot, 0.1-0.5 μg/ml, Human, Rat, Mouse

Subcellular Localization Secreted.

Tissue Specificity Glial cells.

Protein Name Fibroblast growth factor 9(FGF-9)

Contents Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.

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.

Anti-FGF9 Antibody - 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.

Anti-FGF9 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

Anti-FGF9 Antibody - 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

Anti-FGF9 Antibody - 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.