10320 Camino Santa Fe, Suite A
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Anti-FGF9 Antibody
Catalog # ABO10773

Specification

Anti-FGF9 Antibody - 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.

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.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-FGF9 Antibody - Images

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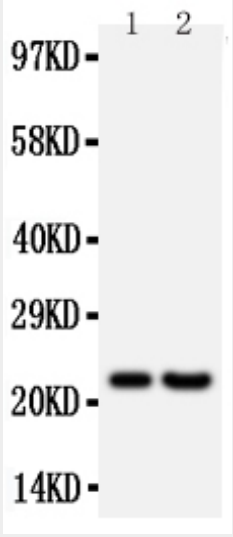
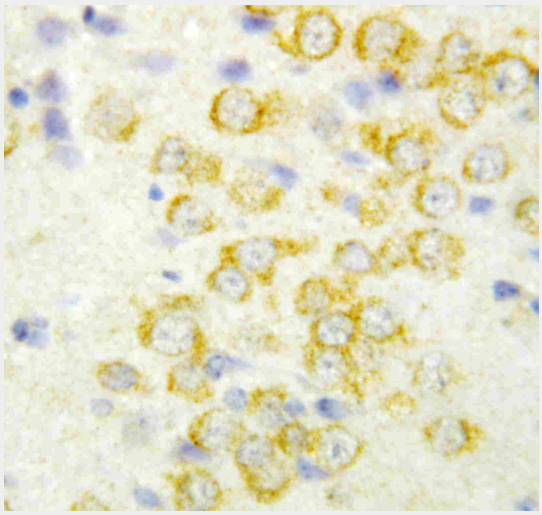


Anti-FGF9 antibody, ABO10773, Western blottingAll lanes: Anti FGF9 (ABO10773) at 0.5ug/mlLane 1: Rat Brain Tissue Lysate at 50ugLane 2: HELA Whole Cell Lysate at 40ugPredicted bind size: 23KDObserved bind size: 23KD



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.