

**Anti-FGF9 Antibody**  
Catalog # ABO10773**Specification**

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**Anti-FGF9 Antibody - Product Information**

Application	<b>WB, IHC</b>
Primary Accession	<a href="#">P31371</a>
Host	<b>Rabbit</b>
Reactivity	<b>Human, Mouse, Rat</b>
Clonality	<b>Polyclonal</b>
Format	<b>Lyophilized</b>

**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<br>Western blot, 0.1-0.5 µg/ml, Human, Rat, Mouse<br>

**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 Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg Thimerosal, 0.05mg NaN<sub>3</sub>.

**Immunogen**

A synthetic peptide corresponding to a sequence in the middle region of human FGF9(150-164aa SNLYKHAVDTGRRYYV), 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 reconstitution, 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.

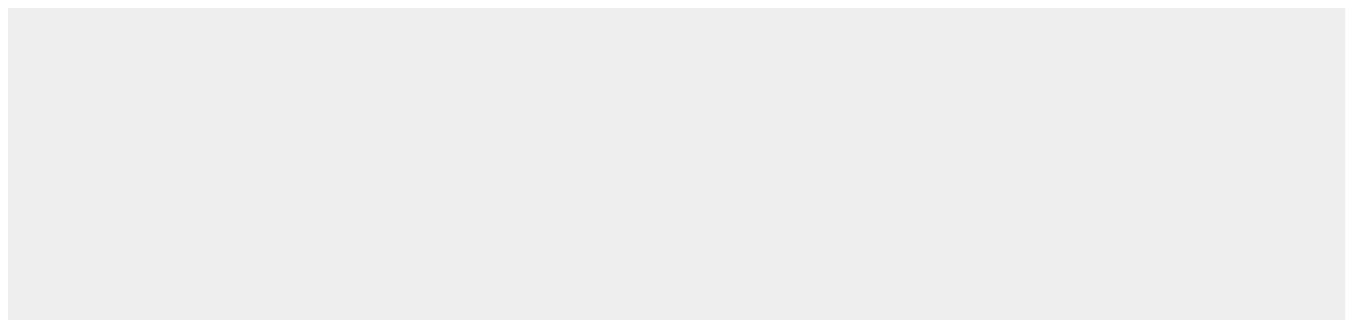
**Tissue Location**

Glial cells.

**Anti-FGF9 Antibody - Protocols**

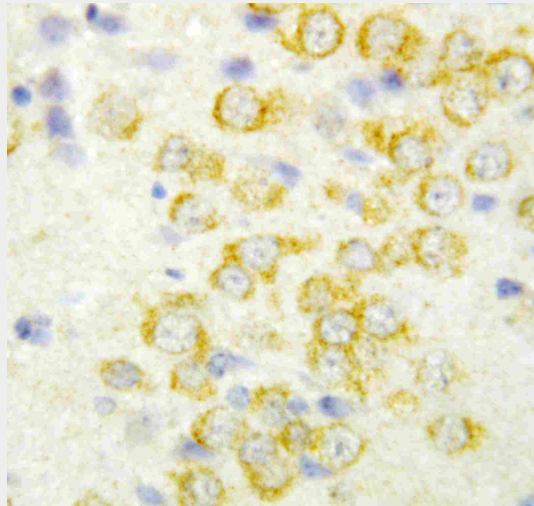
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-FGF9 Antibody - Images**



Anti-FGF9 antibody, ABO10773, Western blotting All lanes: Anti FGF9 (ABO10773) at 0.5ug/ml Lane 1: Rat Brain Tissue Lysate at 50ug Lane 2: HELA Whole Cell Lysate at 40ug Predicted bind size: 23KD Observed 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.