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FGF9 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP10213A

Specification

FGF9 Antibody (N-term) - Product Information

Application	**WB, FC,E**
Primary Accession	P31371
Other Accession	P36364, Q95L12, P54130, NP_002001.1
Reactivity	**Human, Mouse**
Predicted	**Pig, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**23441**
Antigen Region	**31-58**

FGF9 Antibody (N-term) - 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

Target/Specificity
This FGF9 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 31-58 amino acids from the N-terminal region of human FGF9.

Dilution
WB~~1:1000
FC~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
FGF9 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

FGF9 Antibody (N-term) - 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.

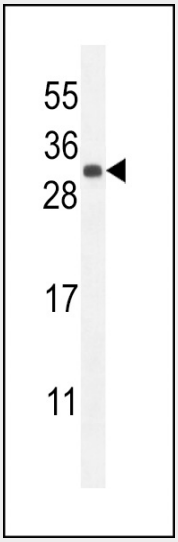
Tissue Location
Glial cells.

FGF9 Antibody (N-term) - Protocols

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

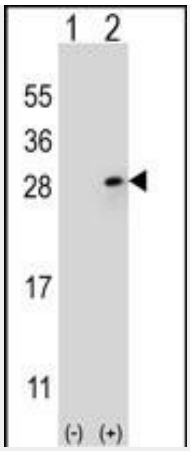
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

FGF9 Antibody (N-term) - Images

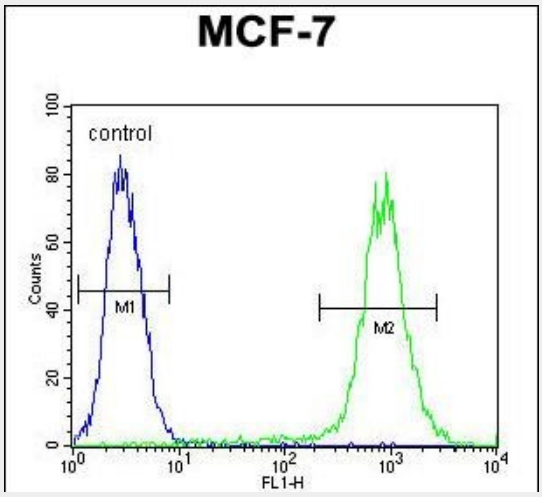


FGF9 Antibody (N-term) (Cat. #AP10213a) western blot analysis in mouse kidney tissue lysates (35ug/lane).This demonstrates the FGF9 antibody detected the FGF9 protein (arrow).

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Western blot analysis of FGF9 (arrow) using rabbit polyclonal FGF9 Antibody (N-term) (Cat. #AP10213a). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the FGF9 gene.



FGF9 Antibody (N-term) (Cat. #AP10213a) flow cytometric analysis of MCF-7 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

FGF9 Antibody (N-term) - 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 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. Mice lacking the homolog gene displayed a male-to-female sex reversal phenotype, which suggested a role in testicular embryogenesis.

FGF9 Antibody (N-term) - References

Jugessur, A., et al. PLoS ONE 5 (7), E11493 (2010) :

Yokoyama, K., et al. Nephron Clin Pract 115 (4), C237-C243 (2010) :
Kalinina, J., et al. Mol. Cell. Biol. 29(17):4663-4678(2009)
Marroni, F., et al. Circ Cardiovasc Genet 2(4):322-328(2009)
Wu, X.L., et al. Am. J. Hum. Genet. 85(1):53-63(2009)