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GDF9 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP12182a

Specification

GDF9 Antibody (N-term) - Product Information

Application	**IHC-P, WB,E**
Primary Accession	O60383
Other Accession	NP_005251.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**51444**
Antigen Region	**80-109**

GDF9 Antibody (N-term) - Additional Information

Gene ID 2661

Other Names
Growth/differentiation factor 9, GDF-9, GDF9

Target/Specificity
This GDF9 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 80-109 amino acids from the N-terminal region of human GDF9.

Dilution
IHC-P~~1:10~50
WB~~1:1000
E~~Use at an assay dependent concentration.

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
GDF9 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

GDF9 Antibody (N-term) - Protein Information

Name GDF9

Function Required for ovarian folliculogenesis. Promotes primordial follicle development. Stimulates granulosa cell proliferation. Promotes cell transition from G0/G1 to S and G2/M phases, through an increase of CCND1 and CCNE1 expression, and RB1 phosphorylation. It regulates STAR expression and cAMP-dependent progesterone release in granulosa and thecal cells. Attenuates the suppressive effects of activin A on STAR expression and progesterone production by increasing the expression of inhibin B. It suppresses FST and FSTL3 production in granulosa-lutein cells.

Cellular Location
Secreted.

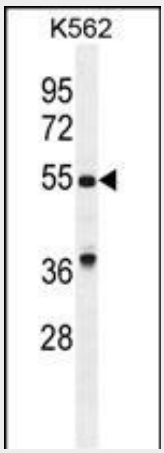
Tissue Location
Expressed in ovarian granulosa cells. Present in oocytes of primary follicles (at protein level)

GDF9 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

GDF9 Antibody (N-term) - Images



GDF9 Antibody (N-term) (Cat. #AP12182a) western blot analysis in K562 cell line lysates (35ug/lane).This demonstrates the GDF9 antibody detected the GDF9 protein (arrow).

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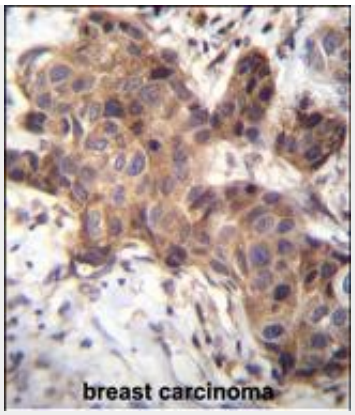

GDF9 Antibody (N-term) (Cat. #AP12182a)immunohistochemistry analysis in formalin fixed and paraffin embedded human breast carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of GDF9 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

GDF9 Antibody (N-term) - Background

Growth factors synthesized by ovarian somatic cells directly affect oocyte growth and function. Growth differentiation factor-9 (GDF9) is expressed in oocytes and is thought to be required for ovarian folliculogenesis. GDF9 is a member of the transforming growth factor-beta superfamily.

GDF9 Antibody (N-term) - References

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