

GDF9 / GDF-9 Antibody (aa45-59)
Rabbit Polyclonal Antibody
Catalog # ALS11576**Specification**

GDF9 / GDF-9 Antibody (aa45-59) - Product Information

Application	WB, IHC-P, E
Primary Accession	O60383
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	51kDa KDa
Dilution	WB~~1:1000 IHC-P~~N/A E~~N/A

GDF9 / GDF-9 Antibody (aa45-59) - Additional Information**Gene ID** 2661**Other Names**

Growth/differentiation factor 9, GDF-9, GDF9

Target/Specificity

Amino acids 45 to 59 of human GDF9

Reconstitution & Storage

Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

Precautions

GDF9 / GDF-9 Antibody (aa45-59) is for research use only and not for use in diagnostic or therapeutic procedures.

GDF9 / GDF-9 Antibody (aa45-59) - 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.

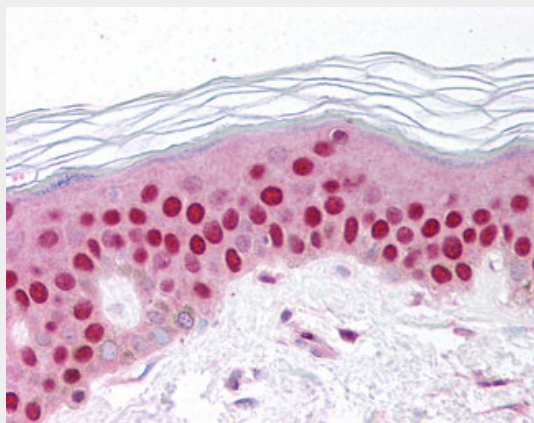
Tissue Location

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

GDF9 / GDF-9 Antibody (aa45-59) - 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](#)

GDF9 / GDF-9 Antibody (aa45-59) - Images

Anti-GDF9 antibody IHC of human skin.

GDF9 / GDF-9 Antibody (aa45-59) - Background

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GDF9 / GDF-9 Antibody (aa45-59) - References

- Schmutz J., et al. Nature 431:268-274(2004).
Aaltonen J., et al. J. Clin. Endocrinol. Metab. 84:2744-2750(1999).
Yamamoto N., et al. J. Clin. Endocrinol. Metab. 87:2849-2856(2002).
Yamamoto N., et al. J. Clin. Endocrinol. Metab. 87:4495-4495(2002).
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