

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

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

|                   |                        |
|-------------------|------------------------|
| Application       | IHC                    |
| Primary Accession | <a href="#">O60383</a> |
| Reactivity        | Human                  |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Calculated MW     | 51kDa KDa              |

**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**

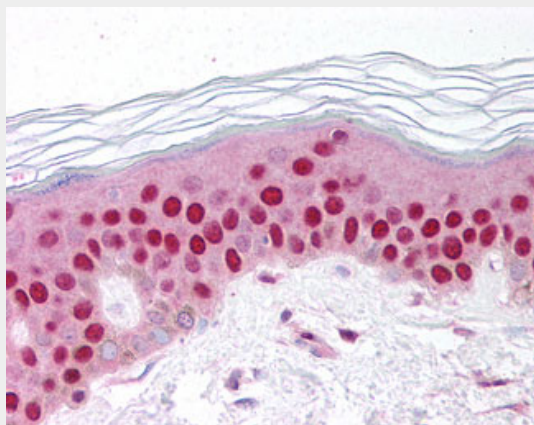
Expressed in ovarian granulosa cells. Present in oocytes of primary follicles (at protein level)

## **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).  
McMahon H.E., et al. Endocrinology 149:812-817(2008).