

Anti-GDF9 Antibody

Rabbit polyclonal antibody to GDF9 Catalog # AP59564

Product Information

Application WB, IHC
Primary Accession O60383
Reactivity Human
Host Rabbit
Clonality Polyclonal
Calculated MW 51444

Additional Information

Gene ID 2661

Other Names Growth/differentiation factor 9; GDF-9

Target/Specificity KLH-conjugated synthetic peptide encompassing a sequence within the center

region of human GDF9. The exact sequence is proprietary.

Dilution WB~~WB (1/500 - 1/1000), IHC (1/100 - 1/200) IHC~~WB (1/500 - 1/1000), IHC

(1/100 - 1/200)

Format Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30%

glycerol, and 0.09% (W/V) sodium azide.

Storage Store at -20 °C.Stable for 12 months from date of receipt

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.

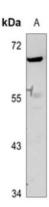
Tissue Location Expressed in ovarian granulosa cells. Present in oocytes of primary follicles (at

protein level)

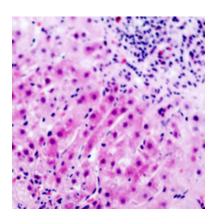
Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human GDF9. The exact sequence is proprietary.

Images



Western blot analysis of GDF9 expression in HEK293T (A), A2780 (B) whole cell lysates.



Immunohistochemical analysis of GDF9 staining in human liver cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. AEC was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.