

Rabbit GDF9 Polyclonal Antibody | anti-GDF9 antibody

GDF9 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326814	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

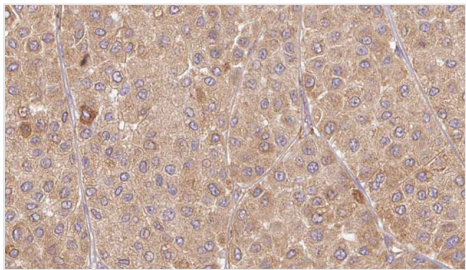
PRODUCT SYNONYMS

GDF9; Polyclonal Antibody; GDF9 Antibody; Growth differentiation factor 9; anti-GDF9 antibody

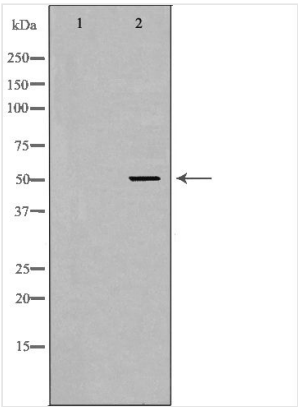
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	GDF9 antibody detects endogenous levels of total GDF9
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	366
Applicable Applications for anti-GDF9 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human GDF9
Subcellular Location	Secreted
Tissue Specificity	Expressed in ovarian granulosa cells. Present in oocytes of primary follicles (at protein level).
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohiostchemistry)
AAA326814 at 1/100 staining Human Melanoma tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of extracts of Sw626, using GDF9antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-GDF9 antibody	Description: 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. 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. Subunit Structure: Homodimer or heterodimer (Potential). But, in contrast to other members of this family, cannot be disulfide-linked (By similarity). Post-translational Modifications: Phosphorylated; phosphorylation is critical for GDF9 function. In vitro, can be phosphorylated by CK at Ser-325. Similarity: Belongs to the TGF-beta family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	572152931
NCBI GeneID	2661
NCBI Accession #	NP_001275753.1
NCBI GenBank Nucleotide #	NM_001288824.2
UniProt Accession #	O60383; Q4VAW5
Molecular Weight	Observed: 51 kDa Predicted: 52 kDa
NCBI Official Full Name	growth/differentiation factor 9 isoform 2
NCBI Official Synonym Full Names	growth differentiation factor 9
NCBI Official Symbol	GDF9
NCBI Official Synonym Symbols	POF14
NCBI Protein Information	growth/differentiation factor 9
UniProt Protein Name	Growth/differentiation factor 9
UniProt Gene Name	GDF9

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/gdf9-antibody-immunohistochemistry-western-blot-elisa/326814>