

Rabbit anti-Human GDF9 Polyclonal Antibody | anti-GDF9 antibody

GDF9 Antibody (N-term)

CATALOG # AAA285975	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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PRODUCT SYNONYMS

GDF9; Polyclonal Antibody; GDF9 Antibody (N-term); Growth/differentiation factor 9; GDF-9; anti-GDF9 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This GDF9 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 30-59 amino acids from the N-terminal region of human GDF9.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	30-59
Sequence Length	454
Applicable Applications for anti-GDF9 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of GDF9 (arrow) using rabbit polyclonal GDF9 Antibody (M45). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the GDF9 gene.



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)

The anti-GDF9 N-term Pab is used in Western blot to detect GDF9 in HL60 cell lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-GDF9 antibody	GDF9 is a member of the bone morphogenetic protein (BMP) family and the TGF-beta superfamily. This group of proteins is characterized by a polybasic proteolytic processing site which is cleaved to produce a mature protein containing seven conserved cysteine residues. The members of this family are regulators of cell growth and differentiation in both embryonic and adult tissues. Growth factors synthesized by ovarian somatic cells directly affect oocyte growth and function. GDF9 is expressed in oocytes and is thought to be required for ovarian folliculogenesis.
Product Categories/Family for anti-GDF9 antibody	Cardiovascular ; Signal Transduction
References	Liao, W.X., et al., J. Biol. Chem. 278(6):3713-3719 (2003). Vitt, U.A., et al., Biol. Reprod. 67(2):473-480 (2002). Aaltonen, J., et al., J. Clin. Endocrinol. Metab. 84(8):2744-2750 (1999). Dong, J., et al., Nature 383(6600):531-535 (1996). McGrath, S.A., et al., Mol. Endocrinol. 9(1):131-136 (1995).

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885261
NCBI GeneID	2661
NCBI Accession #	NP_005251.1
NCBI GenBank Nucleotide #	NM_005260.4
UniProt Accession #	O60383; Q4VAW5
Molecular Weight	51444
NCBI Official Full Name	growth/differentiation factor 9 isoform 1 preproprotein
NCBI Official Synonym Full Names	growth differentiation factor 9
NCBI Official Symbol	GDF9
NCBI Protein Information	growth/differentiation factor 9
UniProt Protein Name	Growth/differentiation factor 9
UniProt Gene Name	GDF9
UniProt Synonym Gene Names	GDF-9
UniProt Entry Name	GDF9_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/gdf9-antibody-immunohistochemistry-western-blot-elisa/285975>