

Rabbit anti-Human, mouse BMP9 (GDF2) Polyclonal Antibody | anti-GDF2 antibody

BMP9 (GDF2) Antibody (N-term)

CATALOG # AAA287177	HOST Rabbit	REACTIVITY Human, mouse	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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PRODUCT SYNONYMS

BMP9 (GDF2); Polyclonal Antibody; BMP9 (GDF2) Antibody (N-term); Growth/differentiation factor 2; GDF-2; Bone morphogenetic protein 9; BMP-9; GDF2; BMP9; anti-GDF2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This BMP9 (GDF2) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 8-37 amino acids from the N-terminal region of human BMP9 (GDF2).
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	8-37
Sequence Length	429
Applicable Applications for anti-GDF2 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 GDF2 (arrow) using rabbit polyclonal GDF2-K23. 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the GDF2 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 DAB 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-hGDF2 N-term Pab is used in Western blot to detect hGDF2 in mouse liver tissue lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-GDF2 antibody	GDF2 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. Studies in rodents suggest that this protein plays a role in the adult liver and in differentiation of cholinergic central nervous system neurons.
Product Categories/Family for anti-GDF2 antibody	Cell Biology; Signal transduction
References	Majumdar, M.K., et al., J. Cell. Physiol. 189(3):275-284 (2001). Lopez-Coviella, I., et al., Science 289(5477):313-316 (2000). Miller, A.F., et al., J. Biol. Chem. 275(24):17937-17945 (2000).

NCBI AND UNIPROT INFORMATION

NCBI GI #	7705308
NCBI GeneID	2658
NCBI Accession #	NP_057288.1
NCBI GenBank Nucleotide #	NM_016204.2
UniProt Accession #	Q9UK05; Q5VSQ9; Q9Y571
Molecular Weight	47320
NCBI Official Full Name	growth/differentiation factor 2 preproprotein
NCBI Official Synonym Full Names	growth differentiation factor 2
NCBI Official Symbol	GDF2
NCBI Official Synonym Symbols	BMP9; HHT5; BMP-9
NCBI Protein Information	growth/differentiation factor 2
UniProt Protein Name	Growth/differentiation factor 2
UniProt Gene Name	GDF2
UniProt Synonym Gene Names	BMP9; GDF-2; BMP-9
UniProt Entry Name	GDF2_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/bmp9-gdf2-antibody-immunohistochemistry-western-blot-elisa/287177>