

Goat anti-GDF2/BMP9 Antibody

Item Number	dAP-1400
Target Molecule	Principle Name: GDF2/BMP9; Official Symbol: GDF2; All Names and Symbols: GDF2; growth differentiation factor 2 ; BMP-9; BMP9; bone morphogenetic protein 9; Accession Number (s): NP_057288.1; Human Gene ID(s): 2658; Non-Human GeneID(s):
Immunogen	KRWVRSDSTKSK, is from internal region
Applications	Pep ELISA Species Tested:
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 4000.
Western Blot	Western Blot: Preliminary experiments gave an approx 27kDa band in Human Bone Marrow, Liver, and Brain (cerebellum) lysates after 1µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe
IHC	

Reference	Reference(s): Scharpfenecker M, van Dinther M, Liu Z, van Bezooijen RL, Zhao Q, Pukac L, Löwik CW, ten Dijke P. BMP-9 signals via ALK1 and inhibits bFGF-induced endothelial cell proliferation and VEGF-stimulated angiogenesis. J Cell Sci. 2007 Mar 15;120(Pt 6):964-72. Epub 2007 Feb 20..PMID: 17311849 ->
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Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**