

## Goat anti-BMP4 Antibody

Item Number	dAP-3449
Target Molecule	Principle Name: BMP4; Official Symbol: BMP4; All Names and Symbols: BMP4; bone morphogenetic protein 4; BMP2B; BMP2B1; MCOPS6; OFC11; ZYME; BMP-2B; BMP-4; bone morphogenetic protein 2B; Accession Number (s): NP_001193.2; Human Gene ID(s): 652; Non-Human GeneID(s):
Immunogen	SPKHHSQRARK, is from internal region The immunizing peptide represents the N terminus of the mature protein. Reported variants represent identical protein: NP_570911.2, NP_001193.2, NP_570912.2.
Applications	Pep ELISA, WB  Species Tested: Human
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 64000.
Western Blot	Western Blot: Approx 40-45kDa band observed in lysates of cell lines A431 and HeLa (calculated MW of 46.6kDa according to NP_001193.2). Recommended concentration: 0.3-1µg/ml.
IHC	
Reference	Reference(s): Lee YC, Cheng CJ, Bilen MA, Lu JF, Satcher RL, Yu-Lee LY, Gallick GE, Maity SN, Lin SH. BMP4 promotes prostate tumor growth in bone through osteogenesis. Cancer research 2011 Aug 71 (15): 5194-203..PMID: 21670081->

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**