

## Goat anti-BMP7 (aa120-131) Antibody

Item Number	dAP-3432
Target Molecule	Principle Name: BMP7 (aa120-131); Official Symbol: BMP7; All Names and Symbols: BMP7; bone morpho-genetic protein 7; OP-1; osteogenic protein 1; Accession Number (s): NP_001710.1; Human Gene ID(s): 655; Non-Human GeneID(s): 12162 (mouse) 85272 (rat)
Immunogen	SLQDSHFLTDAD, is from internal region This antibody is expected to recognize precursor only.
Applications	Pep ELISA, WB  Species Tested: Pig
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 2000.
Western Blot	Western Blot: Approx 50-55kDa band observed in Pig Kidney lysates (calculated MW of 49.2kDa according to XP_005673101.1). Recommended concentration: 1-3µg/ml.
IHC	
Reference	Reference(s): Shen B, Wei A, Whittaker S, Williams LA, Tao H, Ma DD, Diwan AD. The role of BMP-7 in chondrogenic and osteogenic differentiation of human bone marrow multipotent mesenchymal stromal cells in vitro. Journal of cellular biochemistry 2010 Feb 109 (2): 406-16..PMID: 19950204->

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**