

Goat anti-DMP1 Antibody

Item Number	dAP-1541
Target Molecule	Principle Name: DMP1; Official Symbol: DMP1; All Names and Symbols: DMP1; dentin matrix acidic phosphoprotein; dentin matrix protein 1; Accession Number (s): NP_004398.1; NP_001073380.1; Human Gene ID(s): 1758; Non-Human GeneID(s):
Immunogen	ENSEQANTQDSG, is from internal region This antibody is expected to recognize both reported isoforms (NP_004398.1; NP_001073380.1).
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 4000.
Western Blot	Western Blot: Approx. 55kDa band observed in Human Ileum and Kidney lysates (calculated MW of 55.8kDa according to NP_004398.1 and of 54.1 according to NP_001073380.1). Recommended concentration: 1-3µg/ml.
IHC	
Reference	Reference(s): Qin C, D'Souza R, Feng JQ. Dentin matrix protein 1 (DMP1): new and important roles for biomineralization and phosphate homeostasis. J Dent Res. 2007 Dec;86(12):1134-41. Review..PMID: 18037646->

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**