



## Goat anti-Biglycan Preproprotein Antibody

<b>Item Number</b>	dAP-0996
<b>Target Molecule</b>	Principle Name: Biglycan Preproprotein; Official Symbol: BGN; All Names and Symbols: Biglycan Preproprotein; biglycan; BGN; DSPG1; PG-S1; PGI; SLRR1A ; bone/cartilage proteoglycan-I; dermatan sulphate proteoglycan I; small leucine-rich protein 1A; Accession Number (s): NP_001702.1; Human Gene ID(s): 633; Non-Human GeneID(s): 12111 (mouse) 25181 (rat)
<b>Immunogen</b>	DRLAIQFGNYKK, is from C Terminus
<b>Applications</b>	Pep ELISA, WB Species Tested: Rat
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	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.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 4000.
<b>Western Blot</b>	Western Blot: Approx 37kDa band observed in Rat Skin lysates (calculated MW of 41.7kDa according to Human NP_001702.1 and Rat NP_058783.1). Recommended concentration: 0.1-0.3µg/ml.
<b>IHC</b>	
<b>Reference</b>	Reference(s): Chen WB, Lenschow W, Tiede K, Fischer JW, Kalthoff H, Ungefroren H. Smad4/DPC4-dependent regulation of biglycan gene expression by transforming growth factor-beta in pancreatic tumor cells. J Biol Chem. 2002 Sep 27;277(39):36118-28. Epub 2002 Jul 24. .PMID: 12140283 ->

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**