

#### **UK Office**

## Everest Biotech Ltd

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# EB07505 - Goat Anti-Biglycan Preproprotein Antibody

Size: 100µg specific antibody in 200µl

# Target Protein

Principal Names: Biglycan Preproprotein, biglycan, BGN, DSPG1, PG-S1, PGI, SLRR1A, bone/cartilage proteoglycan-I, dermatan sulphate proteoglycan I, small leucine-rich protein 1A Official Symbol: BGN Accession Number(s): NP\_001702.1 Human GenelD(s): <u>633</u> Non-Human GenelD(s): 12111 (mouse), 25181 (rat)

#### Immunogen

Peptide with sequence C-DRLAIQFGNYKK, from the C Terminus of the protein sequence according to NP\_001702.1.

Please note the peptide is available for sale.

## **Purification and Storage**

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 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.

## **Applications Tested**

Peptide ELISA: antibody detection limit dilution 1:4000.

**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. Primary incubation was 1 hour.

## **Species Reactivity**

Tested: Rat Expected from sequence similarity: Human, Mouse, Rat, Dog

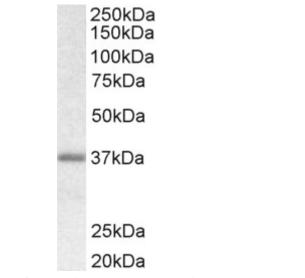
## **Specific Reference**

#### This antibody has been successfully used in IHC in Human:

Burssens A, Forsyth R, Bongaerts W, Jagodzinski M, Mahieu N, Praet M, Victor J. Arguments for an increasing differentiation towards fibrocartilaginous components in midportion Achilles tendinopathy.

Knee Surg Sports Traumatol Arthrosc. 2012 Sep 23. PMID: 23001016





EB07505 (0.1µg/ml) staining of Rat Skin lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.