

## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## 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 GeneID(s):** [633](#)

**Non-Human GeneID(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.