



## 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 1:2000.

**Immunofluorescence:** Expression of the protein seen in the Golgi of NIH3T3 and HepG2 cells. Recommended concentration: 10µg/ml.

### Species Reactivity

**Tested:** Human, Mouse

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

### Specific Reference

**This antibody has been successfully used in IHC on 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 Immunofluorescence analysis of paraformaldehyde fixed NIH3T3 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing Golgi staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).

EB07505 Immunofluorescence analysis of paraformaldehyde fixed HepG2 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing Golgi/ER staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).