

Rabbit anti-Human, Rat BGN Polyclonal Antibody | anti-BGN antibody

BGN Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327417	Rabbit	Human, Rat	ELISA, Immunohistochemistry, Western Blot

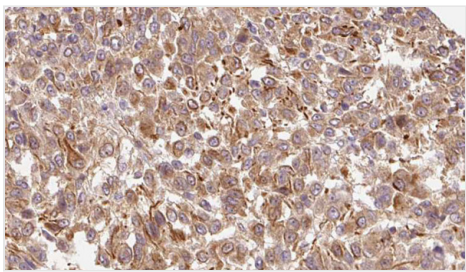
PRODUCT SYNONYMS

BGN; Polyclonal Antibody; BGN Antibody; Biglycan; Biglycan proteoglycan; Bone/cartilage proteoglycan I; Dermatan sulphate proteoglycan I; DSPG1; PG S1; PG-S1; PGI; PGS1_HUMAN; SEMDX; SLRR1A; Small leucine rich protein 1A; anti-BGN antibody

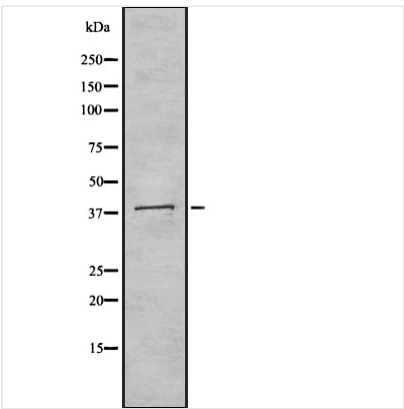
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	BGN antibody detects endogenous levels of total BGN
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	368
Applicable Applications for anti-BGN antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human BGN
Subcellular Location	Secreted > Extracellular Space > Extracellular Matrix.
Tissue Specificity	Found in several connective tissues, especially in articular cartilages.
Predicted Cross Reactivity	Bovine, Horse, Sheep, Dog, Xenopus
Similarity	Bovine (100%), Horse (100%), Sheep (100%), Dog (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA327417 at 1/100 staining Human Melanoma tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of BGN using Jurkat whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-BGN antibody	Function: May be involved in collagen fiber assembly. Subunit Structure: Homodimer. Forms a ternary complex with MFAP2 and ELN (By similarity). Post-translational Modifications: The two attached glycosaminoglycan chains can be either chondroitin sulfate or dermatan sulfate. Similarity: Belongs to the small leucine-rich proteoglycan (SLRP) family. SLRP class I subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4502403
NCBI GeneID	633
NCBI Accession #	NP_001702.1
NCBI GenBank Nucleotide #	NM_001711.5
UniProt Accession #	P21810; P13247; D3DWU3
Molecular Weight	Observed: 41 kDa Predicted: 42 kDa
NCBI Official Full Name	biglycan preproprotein
NCBI Official Synonym Full Names	biglycan
NCBI Official Symbol	BGN
NCBI Official Synonym Symbols	PGI; MRLS; DSPG1; PG-S1; SEMDX; SLRR1A
NCBI Protein Information	biglycan
UniProt Protein Name	Biglycan
UniProt Gene Name	BGN
UniProt Synonym Gene Names	SLRR1A

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.