

Datasheet for ABIN7603200
anti-Biglycan antibody (N-Term)



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Overview

Quantity:	100 µg
Target:	Biglycan (BGN)
Binding Specificity:	N-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Biglycan antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Purpose:	Anti-Biglycan/BGN Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence at the N-terminus of human Biglycan/BGN, identical to the related mouse and rat sequences.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-Biglycan/BGN Antibody Picoband® (ABIN7603200). Tested in WB, IHC applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	Biglycan (BGN)
Alternative Name:	BGN (BGN Products)
Background:	Synonyms: BGN, SLRR1A, Biglycan, Bone/cartilage proteoglycan I, PG-S1 Background: This gene encodes a member of the small leucine-rich proteoglycan (SLRP) family of proteins. The encoded preproprotein is proteolytically processed to generate the mature protein, which plays a role in bone growth, muscle development and regeneration, and collagen fibril assembly in multiple tissues. This protein may also regulate inflammation and innate immunity. Additionally, the encoded protein may contribute to atherosclerosis and aortic valve stenosis in human patients. This gene and the related gene decorin are thought to be the result of a gene duplication.
Molecular Weight:	48 kDa
Gene ID:	633
UniProt:	P21810
Pathways:	Glycosaminoglycan Metabolic Process

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat Immunohistochemistry, 2-5 µg/mL, Human, Rat 1. Camera, G., Stella, G., Camera, A. New X linked spondyloepimetaphyseal dysplasia: report on eight affected males in the same family. J. Med. Genet. 31: 371-376, 1994. 2. Chatterjee, A., Faust, C. J., Herman, G. E. Genetic and physical mapping of the biglycan gene on the mouse X chromosome. Mammalian Genome 4: 33-36, 1993. 3. Cho, S. Y., Bae, J.-S., Kim, N. K. D., Forzano, F., Girisha, K. M., Baldo, C., Faravelli, F., Cho, T.-J., Kim, D., Lee, K. Y., Ikegawa, S., Shim, J. S., Ko, A.-R., Miyake, N., Nishimura, G., Superti-Furga, A., Spranger, J., Kim, O.-H., Park, W.-Y., Jin, D.-K. BGN mutations in X-linked spondyloepimetaphyseal dysplasia. Am. J. Hum. Genet. 98: 1243-1248, 2016.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL

Handling

Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.