

Datasheet for ABIN6137548
anti-Biglycan antibody (AA 38-368)



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1 Image

Overview

Quantity:	100 µL
Target:	Biglycan (BGN)
Binding Specificity:	AA 38-368
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Biglycan antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 38-368 of human BGN (NP_001702.1).
Sequence:	DEEASGADTS GVLDPDSVTP TYSAMCPFGC HCHLRVVQCS DLGLKSVPE ISPDTTLLDL QNNDISELRK DDFKGLQHLY ALVLVNNKIS KIHAKAFSPL RKLQKLYISK NHLVEIPPNL PSSLVELRIH DNRIRKVPKG VFSGLRNMNC IEMGGNPLEN SGFEPGAFDG LKLNLYRISE AKLTGIPKDL PETLNELHLD HNKIQAIIELE DLLRYSKLYR LGLGHNQIRM IENGSLSFLP TLRELHLDNN KLARVPSGLP DLKLLQVVYL HSNNTKVG V NDFCPMGFGV KRAYYNGISL FNNPVPYWEV QPATFRCVTD RLAIQFGNYK K
Isotype:	IgG
Cross-Reactivity:	Mouse
Characteristics:	Polyclonal Antibodies

Product Details

Purification: Affinity purification

Target Details

Target: Biglycan (BGN)

Alternative Name: BGN ([BGN Products](#))

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.,BGN,DSPG1,MRLS,PG-S1,PGI,SEMDX,SLRR1A,biglycan,Signal Transduction,Cell Biology & Developmental Biology,Cytoskeleton,Extracellular Matrix,Bone,Stem Cells,Mesenchymal Stem Cells,BGN

Molecular Weight: 41 kDa

Gene ID: 633

UniProt: [P21810](#)

Pathways: [Glycosaminoglycan Metabolic Process](#)

Application Details

Application Notes: WB,1:500 - 1:2000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Preservative: Sodium azide

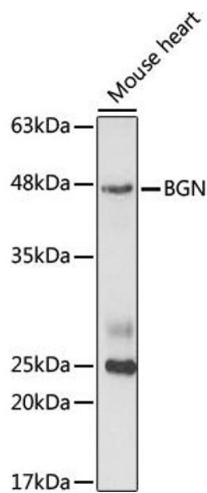
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Handling

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Images



Western Blotting

Image 1. Western blot analysis of extracts of mouse heart cells, using BGN antibody (ABIN6127493, ABIN6137548, ABIN6137549 and ABIN6221449) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020).