

BGN Rabbit pAb

Catalog No.: A5770

Basic Information

Observed MW

43kDa

Calculated MW

41kDa

Category

Primary antibody

Applications

WB

Cross-Reactivity

Mouse

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.

Recommended Dilutions

WB 1:500 - 1:2000

Immunogen Information

Gene ID

633

Swiss Prot

P21810

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 38-368 of human BGN (NP_001702.1).

Synonyms

BGN;DSPG1;MRLS;PG-S1;PGI;SEMDX;SLRR1A;biglycan

Contact

 | www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

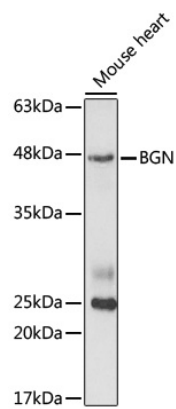
Affinity purification

Storage

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

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of extracts of mouse heart cells, using BGN antibody (A5770) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (A5014) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).