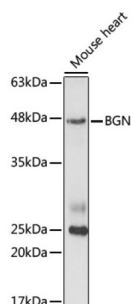


Biglycan (BGN) Antibody

Catalogue No.: abx004418



Western blot analysis of extracts of mouse heart cells using BGN Antibody (1/1000 dilution).

BGN Antibody is a Rabbit Polyclonal antibody against BGN. The protein encoded by this gene is a small cellular or pericellular matrix proteoglycan that is closely related in structure to two other small proteoglycans, decorin and fibromodulin. The encoded protein and decorin are thought to be the result of a gene duplication. Decorin contains one attached glycosaminoglycan chain, while this protein probably contains two chains. For this reason, this protein is called biglycan. This protein plays a role in assembly of collagen fibrils and muscle regeneration. It interacts with several proteins involved in muscular dystrophy, including alpha-dystroglycan, alpha- and gamma-sarcoglycan and collagen VI, and it is critical for the assembly of the dystrophin-associated protein complex.

Target: Biglycan (BGN)

Clonality: Polyclonal

Reactivity: Mouse

Tested Applications: WB

Host: Rabbit

Recommended dilutions: WB: 1/500 - 1/2000. Optimal dilutions/concentrations should be determined by the end user.

Conjugation: Unconjugated

Immunogen: Recombinant fusion protein corresponding to human BGN

Isotype: IgG

Form: Liquid

Purification: Purified by affinity chromatography.

Storage: Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

UniProt Primary AC: P21810 ([UniProt](#), [ExPASy](#))

Datasheet

Version: 5.0.0

Revision date: 25 Apr 2025



Gene Symbol: BGN

GeneID: [633](#)

NCBI Accession: NP_001702.1

KEGG: hsa:633

String: [9606.ENSP00000327336](#)

Molecular Weight: Calculated MW: 41 kDa
Observed MW: 43 kDa

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

Concentration: 1 mg/ml

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only