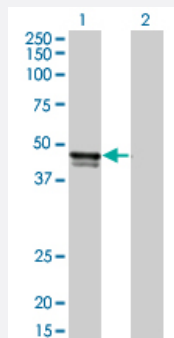


BGN monoclonal antibody (M02), clone 2E6-D1

Catalog # H00000633-M02

Size 100 ug

Applications

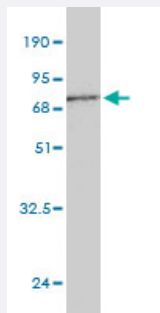


Western Blot (Transfected lysate)

Western Blot analysis of BGN expression in transfected 293T cell line by BGN monoclonal antibody (M02), clone 2E6-D1.

Lane 1: BGN transfected lysate (41.7 KDa).

Lane 2: Non-transfected lysate.



Western Blot detection against Immunogen (66.22 KDa).

Specification

Product Description

Mouse monoclonal antibody raised against a full length recombinant BGN.

Immunogen

BGN (AAH02416.1, 1 a.a. ~ 368 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

MWPLWRLVSLALSQALPFEQRGFWDFTLDDGPFMMNDEEASGADTSGVLPDPSVTPTYSAM
CPFGCHCHLRVVQCSDLGLKSVPKEISPDITLLDLQNDISELRKDDFKGLQHLVALVLVNNKISKI
HEKAFSPLRKLQKLYSKNHLVEIPPNLPSLVELRIHDNRIRKVPKGVFSGLRNMNCIEMGGNPLE
NSGFEPGAFDGLKLNLYRISEAKLTGIPKDLPETLNELHLDHNKIQAIELEDLLRYSKLYRLGLGHNQI
RMIENGSLSFPLTLRELHLDNNKLARVPSGLPDLKLLQVVYLHSNNITKVGVNDFCPMGFGVKRAY
YNGISLFNPNVPYWEVQPATFRCTDRLAIQFGNYKK

Host

Mouse

Reactivity	Human
Isotype	IgG2a kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (66.22 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of BGN expression in transfected 293T cell line by BGN monoclonal antibody (M02), clone 2E6-D1.

Lane 1: BGN transfected lysate(41.7 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — BGN

Entrez GeneID	633
GeneBank Accession#	BC002416
Protein Accession#	AAH02416.1
Gene Name	BGN
Gene Alias	DSPG1, PG-S1, PGI, SLRR1A
Gene Description	biglycan
Omim ID	301870
Gene Ontology	Hyperlink

Gene Summary

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 is thought to function in connective tissue metabolism by binding to collagen fibrils and transferring growth factor-beta. It may promote neuronal survival. This gene is a candidate gene for the Happle syndrome. [provided by RefSeq]

Other Designations

OTTHUMP00000025928|biglycan proteoglycan|bone/cartilage proteoglycan-|dermatan sulphate proteoglycan |small leucine-rich protein 1A