

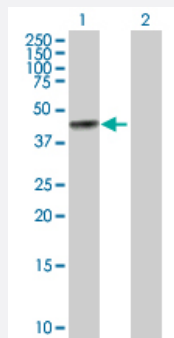
MaxPab®

BGN purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00000633-D01P

Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of BGN expression in transfected 293T cell line ([H00000633-T01](#)) by BGN MaxPab polyclonal antibody.

Lane 1: BGN transfected lysate(41.70 kDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human BGN protein.
Immunogen	BGN (NP_001702.1, 1 a.a. ~ 368 a.a) full-length human protein.
Sequence	MWPLWRLVSL LALSQALPFEQRGFWDFTLDDGPFMMNDEEASGADTSGVLPDPSVTPTYSAM CPFGCHCHLRVVQCSDLGLKSVPEISPDTLLDLQNNDISELRKDDFKGLQHL YALVLVNNKISKI HEKAFSPLRKLQKLYSKNHLVEIPPNLPSSELVELRIHDNRIRKVPKGVFSGLRNMNCIEMGGNPLE NSGFEPGAFDGLKLNLYRISEAKLTGIPKDLPETLNEHLHDHNKIQAI ELEDLLRYSKLYRLGLGHNQI RMIENGSL SFLPTLRELHLDNNKLARVPSGLPDLKLLQVVYLHSNNITKVGVNDFCPMGFGVKRAY YNGISLFNNPVYPYWEVQPATFRCVTDRLAIQFGNYKK
Host	Rabbit
Reactivity	Human
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
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)

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[Protocol Download](#)

Gene Info — BGN

Entrez GeneID [633](#)

GeneBank Accession# [NM_001711.3](#)

Protein Accession# [NP_001702.1](#)

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

Publication Reference

- [Structural remodeling of proteoglycans upon retinoic acid-induced differentiation of NCCIT cells.](#)

Gasimli L, Stansfield HE, Naim AV, Liu H, Paluh JL, Yang B, Dordick JS, Moremen KW, Linhardt RJ.

Glycoconjugate Journal 2013 Jul; 30(5):497.

Application: WB-Ce, Human, NCCIT cells