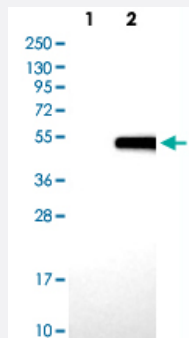


# BGN polyclonal antibody

Catalog # PAB28699      Size 100 uL

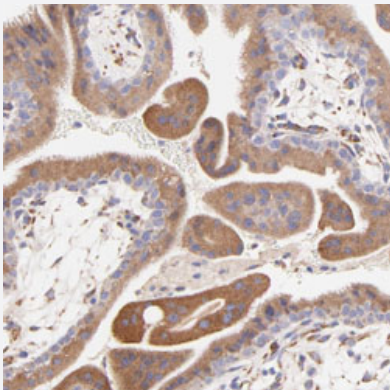
## Applications



### Western Blot (Transfected lysate)

Western blot analysis of Lane 1: Negative control (vector only transfected HEK293T lysate)

Lane 2: Over-expression lysate (Co-expressed with a C-terminal myc-DDK tag (~3.1 kDa) in mammalian HEK293T cells) with BGN polyclonal antibody (Cat # PAB28699).



### Immunohistochemistry

Immunohistochemical staining of human placenta with BGN polyclonal antibody (Cat # PAB28699) strong cytoplasmic positivity in trophoblastic cells.

## Specification

Product Description	Rabbit polyclonal antibody raised against recombinant BGN.
Immunogen	Recombinant protein corresponding to amino acids of human BGN.
Sequence	RGFWDFTLDDGPFMMNDEEASGADTSGVLDPDSVTPTYSAMCPFGCHCHLRVVQCSDLGLKS VPKEISPDITLLDLQNNISELRKDDFKGLQHLYALVLVNNKISKIHEKAFSPLRKLQKLYISKNHV EIPPNLPSSL
Host	Rabbit
Reactivity	Human

Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:500-1:1000) Western Blot (1:250-1:500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Transfected lysate)

Western blot analysis of Lane 1: Negative control (vector only transfected HEK293T lysate)

Lane 2: Over-expression lysate (Co-expressed with a C-terminal myc-DDK tag (~3.1 kDa) in mammalian HEK293T cells) with BGN polyclonal antibody (Cat # PAB28699).

- Immunohistochemistry

Immunohistochemical staining of human placenta with BGN polyclonal antibody (Cat # PAB28699) strong cytoplasmic positivity in trophoblastic cells.

## Gene Info — BGN

Entrez GeneID	<a href="#">633</a>
Gene Name	BGN
Gene Alias	DSPG1, PG-S1, PGI, SLRR1A
Gene Description	biglycan
Omim ID	<a href="#">301870</a>
Gene Ontology	<a href="#">Hyperlink</a>

**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 Happel syndrome. [provided by RefSeq]

**Other Designations**

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