



Datasheet for ABIN560056  
**anti-Biglycan antibody (AA 1-368)**



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7 Images

1 Publication

### Overview

Quantity:	100 µg
Target:	Biglycan (BGN)
Binding Specificity:	AA 1-368
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Biglycan antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunoprecipitation (IP), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

### Product Details

Purpose:	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:	MWPLWRLVSL LALSQALPFE QRGFWDFTL DGPFMMNDEE ASGADTSGVL DPDSVTPTYS AMCPFGCHCH LRVVQCSDLG LKSVPKEISP DTTLLDLQNN DISELRKDDF KGLQHLYALV LVNKKISKIH EKAFSPLRKL QKLYISK NHL VEIPP NLPSS LVELRIHDNR IRKVPKGVFS GLRNMNCIEM GGNPLENSGF EPGAFDGLKL NYLRISEAKL TGIPKDLPET LNELHLDHNK IQAIELEDLL RYSKLYRLGL GHNQIRMIEN GSLSFLPTLR ELHLDNNKLA RVPSGLPDLK LLQVVYLHSN NITKVG V NDF CPMGF GVKRA YYNGISLFNN PVPYWEVQPA TFRCVTDRLA IQFGNYKK

## Product Details

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Clone:	4E1-1G7
Isotype:	IgG2a
Cross-Reactivity:	Human
Characteristics:	Antibody Reactive Against Recombinant Protein.

## Target Details

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Target:	Biglycan (BGN)
Alternative Name:	BGN ( <a href="#">BGN Products</a> )
Background:	Full Gene Name: biglycan Synonyms: DSPG1,PG-S1,PGI,SLRR1A
Gene ID:	633
Pathways:	<a href="#">Glycosaminoglycan Metabolic Process</a>

## Application Details

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Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

## Handling

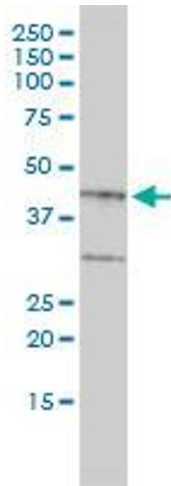
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Buffer:	In 1x PBS, pH 7.4
Handling Advice:	Aliquot to avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Publications

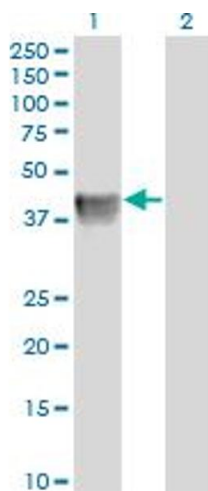
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Product cited in:	Zhang, Lee, Young, Wang: "The Small Leucine-Rich Proteoglycan BGN Accumulates in CADASIL and Binds to NOTCH3." in: <b>Translational stroke research</b> , Vol. 6, Issue 2, pp. 148-55, (2015) ( <a href="#">PubMed</a> ).
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#### Western Blotting

**Image 1.** BGN monoclonal antibody (M01), clone 4E1-1G7 Western Blot analysis of BGN expression in HepG2 .

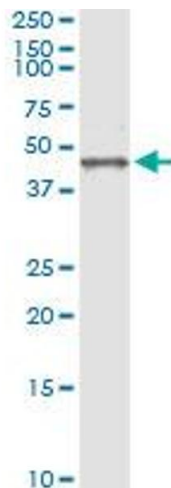


#### Western Blotting

**Image 2.** Western Blot analysis of BGN expression in transfected 293T cell line by BGN monoclonal antibody (M01), clone 4E1-1G7.

Lane 1: BGN transfected lysate(41.7 KDa).

Lane 2: Non-transfected lysate.



#### Western Blotting

**Image 3.** Immunoprecipitation of BGN transfected lysate using anti-BGN monoclonal antibody and Protein A Magnetic Bead , and immunoblotted with BGN MaxPab rabbit polyclonal antibody.

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN560056.