

Datasheet for ABIN390701

anti-Biglycan antibody (AA 148-176)**4** Images[Go to Product page](#)

Overview

Quantity:	400 µL
Target:	Biglycan (BGN)
Binding Specificity:	AA 148-176
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Biglycan antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This BGN antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 148-176 amino acids from the Central region of human BGN.
Clone:	RB19735
Isotype:	Ig Fraction
Predicted Reactivity:	B, Hs, M, Rat, Sh
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	Biglycan (BGN)
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Target Details

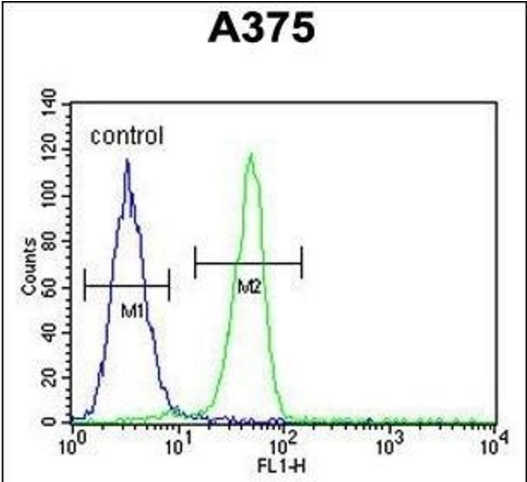
Alternative Name:	BGN (BGN Products)
Background:	BGN is a small cellular or pericellular matrix proteoglycan that is closely related in structure to two other small proteoglycans, decorin and fibromodulin. The protein and decorin are thought to be the result of a gene duplication. Decorin contains one 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.
Molecular Weight:	41654
Gene ID:	633
NCBI Accession:	NP_001702
UniProt:	P21810
Pathways:	Glycosaminoglycan Metabolic Process

Application Details

Application Notes:	WB: 1:1000. WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50
Restrictions:	For Research Use only

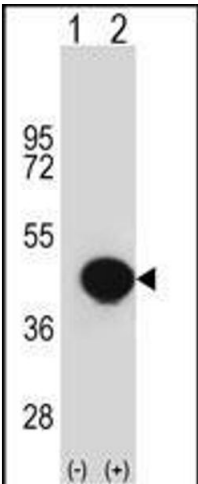
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



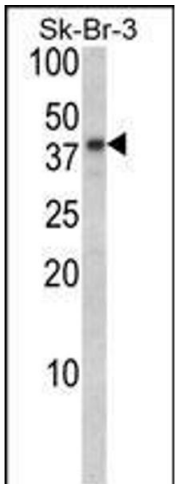
Flow Cytometry

Image 1. BGN Antibody (Center) (ABIN390701 and ABIN2840987) flow cytometric analysis of cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Western Blotting

Image 2. Western blot analysis of BGN (arrow) using rabbit polyclonal BGN Antibody (Center) (ABIN390701 and ABIN2840987). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the BGN gene.



Western Blotting

Image 3. Western blot analysis of BGN Antibody (Center) (ABIN390701 and ABIN2840987) in Sk-Br-3 cell line lysates (35 µg/lane). BGN (arrow) was detected using the purified Pab.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN390701.