

Biglycan Polyclonal Antibody

Catalog NumberPA5-13700

Product data sheet

Details		Species Reactivity	
Size	400 µL	Species reactivity	Human
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Flow Cytometry (Flow)	1:10-1:50
Type	Antibody	Immunohistochemistry (Paraffin) (IHC (P))	1:50-1:100
Immunogen	KLH conjugated synthetic peptide between 148-176 amino acids from the central region of human BGN	Western Blot (WB)	1:1,000
Conjugate	Unconjugated	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Form	Liquid		
Concentration	2 mg/mL		
Purification	Ammonium sulfate precipitation, Size-exclusion - Dialysis		
Storage buffer	PBS		
Contains	0.09% sodium azide		
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles		

Product specific information

This antibody is predicted to react with bovine, mouse and rat based on sequence homology.

Background/Target Information

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.

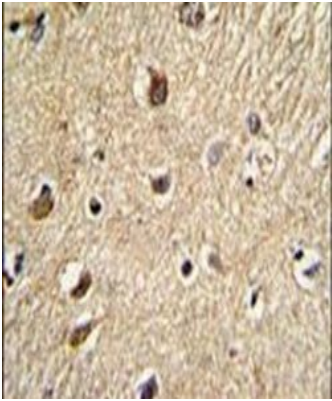
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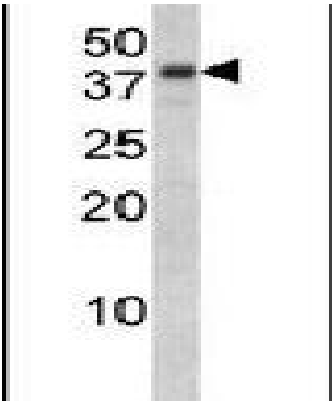
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Product Images For Biglycan Polyclonal Antibody



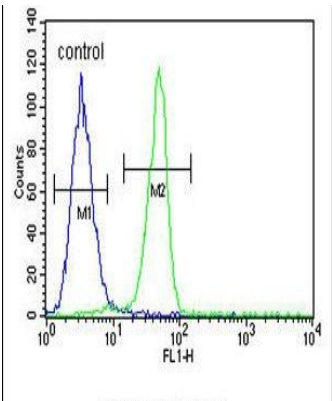
**Biglycan Antibody (PA5-13700) in IHC (P)**

Immunohistochemical analysis of formalin-fixed, paraffin-embedded human brain tissue using a BGN polyclonal antibody (Product # PA5-13700), followed by HRP-conjugated secondary antibody and DAB staining.



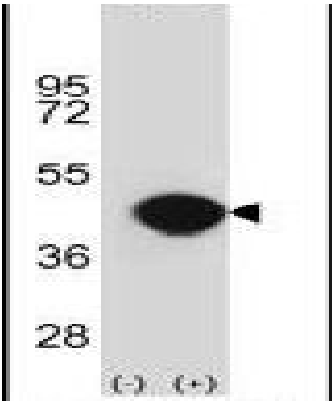
**Biglycan Antibody (PA5-13700) in WB**

Western blot analysis using a BGN polyclonal antibody (Product # PA5-13700) in Sk-Br-3 cell lysates (35 µg per lane).



**Biglycan Antibody (PA5-13700) in Flow**

Flow cytometry analysis of A375 cells using a BGN polyclonal antibody (Product # PA5-13700) (right) compared to a negative control cell (left) at a dilution of 1:10-50, followed by a FITC-conjugated goat anti-rabbit antibody



**Biglycan Antibody (PA5-13700) in WB**

Western blot analysis of BGN (arrow) using a BGN polyclonal antibody (Product # PA5-13700) in 293 cell lysates (2 µg /lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the BGN gene.

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