

## ARG40503 anti-Biglycan antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes Biglycan
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Biglycan
Species	Human
Immunogen	Synthetic peptide derived from Human Biglycan.
Conjugation	Un-conjugated
Alternate Names	Biglycan; Bone/cartilage proteoglycan I; SLRR1A; PGI; DSPG1; PG-S1

### Application Instructions

Application table	Application	Dilution
	FACS	1:100
	IP	1:50
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.4), 150 mM NaCl, 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	BGN
Gene Full Name	biglycan
Background	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 plays a role in assembly of collagen fibrils and muscle regeneration. It interacts with several proteins involved in muscular dystrophy, including alpha-dystroglycan, alpha- and gamma-sarcoglycan and collagen VI, and it is critical for the assembly of the dystrophin-associated protein complex. [provided by RefSeq, Nov 2009]
Function	May be involved in collagen fiber assembly. [UniProt]
Calculated Mw	42 kDa
PTM	The two attached glycosaminoglycan chains can be either chondroitin sulfate or dermatan sulfate. [UniProt]
Cellular Localization	Secreted, extracellular space, extracellular matrix. [UniProt]

Images

