

# Biglycan Antibody FITC Conjugated

Catalog No: #C06880F

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## Description

Product Name	Biglycan Antibody FITC Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	IF
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic peptide derived from human Biglycan
Conjugates	FITC
Target Name	Biglycan
Other Names	PGI; DSPG1; PG-S1; SLRR1A; Biglycan; Bone cartilage proteoglycan I; BGN
Accession No.	Swiss-Prot#P21810NCBI Gene ID633
Uniprot	P21810
GeneID	633;
Excitation Emission	494nm 518nm
Cell Localization	Secreted
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Store at 4C for 12 months.

## Application Details

Immunofluorescence: 1:50-200

## 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]

**Note:** This product is for in vitro research use only