

Biglycan Conjugated Antibody

Catalog No: #C49829



Package Size: #C49829-AF350 100ul #C49829-AF405 100ul #C49829-AF488 100ul
 #C49829-AF555 100ul #C49829-AF594 100ul #C49829-AF647 100ul
 #C49829-AF680 100ul #C49829-AF750 100ul #C49829-Biotin 100ul

Orders: order@signalwayantibody.com
 Support: tech@signalwayantibody.com

Description

| | |
|-----------------------|---|
| Product Name | Biglycan Conjugated Antibody |
| Host Species | Rabbit |
| Clonality | Monoclonal |
| Species Reactivity | Hu, Ms |
| Immunogen Description | Recombinant protein |
| Conjugates | Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750 |
| Other Names | BGN antibody Biglycan antibody Biglycan proteoglycan antibody Bone/cartilage proteoglycan I antibody Dermatan sulphate proteoglycan I antibody DSPG1 antibody PG S1 antibody PG-S1 antibody PGI antibody PGS1_HUMAN antibody SEMDX antibody SLRR1A antibody Small leucine rich protein 1A antibody |
| Accession No. | Swiss-Prot#:P21810 |
| Uniprot | P21810 |
| GeneID | 633; |
| Excitation Emission | AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm |
| Calculated MW | 42 kDa |
| Formulation | 0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide |
| Storage | Store at 4°C in dark for 6 months |

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

Biglycan, a class I small leucine rich proteoglycan (SLRP) present in the extracellular matrix, influences bone cell differentiation and proliferation. Biglycan contains two chondroitin sulfate glucosaminoglycan (GAG) chains attached near its amino terminus, whereas a closely related SLRP, decorin, contains only one. Biglycan deficient specimens possess diminished capacity to produce bone cells precursors, a lessened response to TGF β , reduced collagen synthesis, and increased apoptosis. Patients with rheumatoid arthritis express increased immunity to biglycan whereas osteoarthritis patients do not, suggesting that higher immunity to SLRPs may play a role in the pathogenesis of inflammatory rheumatic diseases.

Note: This product is for in vitro research use only