

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.

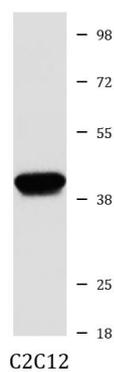
Properties

| | |
|---------------------|---|
| 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



ARG40503 anti-Biglycan antibody WB image

Western blot: C2C12 cell lysate stained with ARG40503 anti-Biglycan antibody.