

# Anti-Biglycan Monoclonal Antibody

Catalog # ABO14678

## Product Information

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|                          |                                                                                                                                 |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| <b>Application</b>       | WB, IP, FC                                                                                                                      |
| <b>Primary Accession</b> | <a href="#">P21810</a>                                                                                                          |
| <b>Host</b>              | Rabbit                                                                                                                          |
| <b>Isotype</b>           | Rabbit IgG                                                                                                                      |
| <b>Reactivity</b>        | Rat, Human, Mouse                                                                                                               |
| <b>Clonality</b>         | Monoclonal                                                                                                                      |
| <b>Format</b>            | Liquid                                                                                                                          |
| <b>Description</b>       | Anti-Biglycan Monoclonal Antibody . Tested in WB, IP, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat. |

## Additional Information

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|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>             | 633                                                                                                                                        |
| <b>Other Names</b>         | Biglycan, Bone/cartilage proteoglycan I, PG-S1, BGN, SLRR1A                                                                                |
| <b>Calculated MW</b>       | 41654                                                                                                                                      |
| <b>Application Details</b> | WB 1:500-1:2000<br>IP 1:50<br>FC 1:100                                                                                                     |
| <b>Source</b>              | Eukaryota                                                                                                                                  |
| <b>Contents</b>            | Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.                        |
| <b>Clone Names</b>         | Clone: AEIB-2                                                                                                                              |
| <b>Immunogen</b>           | A synthesized peptide derived from human Biglycan May be involved in collagen fiber assembly.                                              |
| <b>Purification</b>        | Affinity-chromatography                                                                                                                    |
| <b>Storage</b>             | Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles. |

## Protein Information

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|-----------------|---------------------------------------------|
| <b>Name</b>     | BGN                                         |
| <b>Synonyms</b> | SLRR1A                                      |
| <b>Function</b> | May be involved in collagen fiber assembly. |

**Cellular Location**

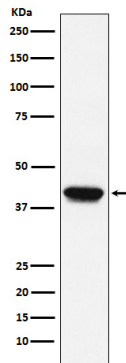
Secreted, extracellular space, extracellular matrix

**Tissue Location**

Detected in placenta (at protein level) (PubMed:32337544). Found in several connective tissues, especially in articular cartilages.

**Images**

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Western blot analysis of Biglycan expression in C2C12 cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.