

ARG42477 anti-Decorin antibody

Package: 100 µl
Store at: -20°C

Summary

| | |
|---------------------|--|
| Product Description | Rabbit Polyclonal antibody recognizes Decorin |
| Tested Reactivity | Hu, Ms, Rat |
| Tested Application | ICC/IF, IHC-P, WB |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Target Name | Decorin |
| Species | Human |
| Immunogen | Recombinant fusion protein corresponding to aa. 31-359 of Human Decorin (NP_598010.1). |
| Conjugation | Un-conjugated |
| Alternate Names | Bone proteoglycan II; PG40; PGII; CSCD; SLRR1B; PGS2; PG-S2; DSPG2; Decorin |

Application Instructions

| | | |
|-------------------|--|----------------|
| Application table | Application | Dilution |
| | ICC/IF | 1:50 - 1:200 |
| | IHC-P | 1:50 - 1:200 |
| | 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. | |
| Positive Control | Mouse brain | |
| Observed Size | ~ 45 kDa | |

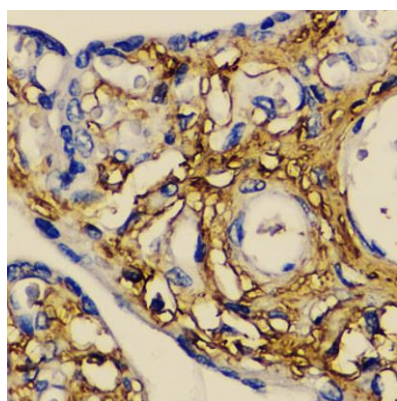
Properties

| | |
|---------------------|---|
| Form | Liquid |
| Purification | Affinity purified. |
| Buffer | PBS (pH 7.3), 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. |

Bioinformation

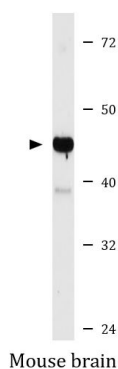
| | |
|-----------------------|--|
| Gene Symbol | DCN |
| Gene Full Name | decorin |
| Background | This gene encodes a member of the small leucine-rich proteoglycan family of proteins. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate the mature protein. This protein plays a role in collagen fibril assembly. Binding of this protein to multiple cell surface receptors mediates its role in tumor suppression, including a stimulatory effect on autophagy and inflammation and an inhibitory effect on angiogenesis and tumorigenesis. This gene and the related gene biglycan are thought to be the result of a gene duplication. Mutations in this gene are associated with congenital stromal corneal dystrophy in human patients. [provided by RefSeq, Nov 2015] |
| Function | May affect the rate of fibrils formation. [UniProt] |
| Calculated Mw | 40 kDa |
| PTM | The attached glycosaminoglycan chain can be either chondroitin sulfate or dermatan sulfate depending upon the tissue of origin. [UniProt] |
| Cellular Localization | Secreted, extracellular space, extracellular matrix. [UniProt] |

Images



ARG42477 anti-Decorin antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human placenta tissue stained with ARG42477 anti-Decorin antibody at 1:200 dilution.



ARG42477 anti-Decorin antibody WB image

Western blot: Mouse brain lysate stained with ARG42477 anti-Decorin antibody.