

ARG66439 anti-Collagen IX alpha 3 antibody

Package: 100 µg
Store at: -20°C

Summary

| | |
|---------------------|--|
| Product Description | Rabbit Polyclonal antibody recognizes Collagen IX alpha 3 |
| Tested Reactivity | Hu, Ms |
| Tested Application | ICC/IF, IHC-P |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Target Name | Collagen IX alpha 3 |
| Species | Human |
| Immunogen | Synthetic peptide corresponding to aa. 290-370 of Human Collagen IX alpha 3. |
| Conjugation | Un-conjugated |
| Alternate Names | IDD; MED; EDM3; DJ885L7.4.1; Collagen alpha-3(IX) chain |

Application Instructions

| Application table | Application | Dilution |
|-------------------|--|----------------|
| | ICC/IF | 1:200 - 1:1000 |
| | IHC-P | 1:100 - 1:300 |
| Application Note | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. | |

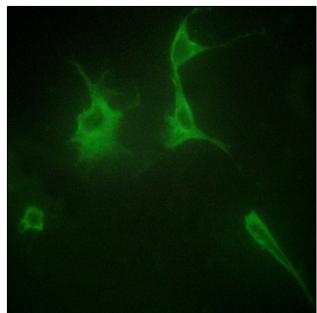
Properties

| | |
|---------------------|---|
| Form | Liquid |
| Purification | Affinity purification with immunogen. |
| Buffer | PBS, 0.02% Sodium azide, 50% Glycerol and 0.5% BSA. |
| Preservative | 0.02% Sodium azide |
| Stabilizer | 50% Glycerol and 0.5% BSA |
| Concentration | 1 mg/ml |
| 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

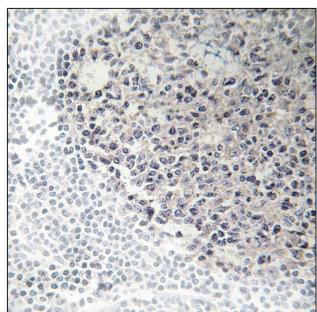
| | |
|-----------------------|---|
| Gene Symbol | COL9A3 |
| Gene Full Name | collagen, type IX, alpha 3 |
| Background | This gene encodes one of the three alpha chains of type IX collagen, the major collagen component of hyaline cartilage. Type IX collagen, a heterotrimeric molecule, is usually found in tissues containing type II collagen, a fibrillar collagen. Mutations in this gene are associated with multiple epiphyseal dysplasia type 3. [provided by RefSeq, Jan 2010] |
| Function | Structural component of hyaline cartilage and vitreous of the eye. [UniProt] |
| Calculated Mw | 64 kDa |
| PTM | Covalently linked to the telopeptides of type II collagen by lysine-derived cross-links. Prolines at the third position of the tripeptide repeating unit (G-X-Y) are hydroxylated in some or all of the chains. [UniProt] |
| Cellular Localization | Secreted, extracellular space, extracellular matrix. [UniProt] |

Images



ARG66439 anti-Collagen IX alpha 3 antibody ICC/IF image

Immunofluorescence: NIH/3T3 cells stained with ARG66439 anti-Collagen IX alpha 3 antibody. The picture on the right is blocked with the synthetic peptide.



ARG66439 anti-Collagen IX alpha 3 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human tonsil stained with ARG66439 anti-Collagen IX alpha 3 antibody. The picture on the right is blocked with the synthetic peptide.