

Product Name: Collagen III alpha 1 Rabbit Monoclonal Antibody
Catalog #: AMRe03288



Summary

| | |
|------------------------|---|
| Production Name | Collagen III alpha 1 Rabbit Monoclonal Antibody |
| Description | Recombinant Rabbit Monoclonal antibody |
| Host | Rabbit |
| Application | WB, ICC/IF, IP |
| Reactivity | Human, Mouse, Rat |

Performance

| | |
|---------------------|--|
| Conjugation | Unconjugated |
| Modification | Unmodified |
| Isotype | IgG |
| Clonality | Monoclonal Antibody |
| Form | Liquid |
| Storage | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |
| Buffer | 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA |
| Purification | Affinity Purified |

Immunogen

| | |
|--------------------------|----------------|
| Gene Name | COL3A1 |
| Alternative Names | EDS4A; EDSVASC |
| Gene ID | 1281 |
| SwissProt ID | P02461 |

Application

| | |
|-------------------------|--|
| Dilution Ratio | WB: 1/500-1/1000 IF: 1/50-1/200 IP: 1/20 |
| Molecular Weight | Calculated MW: 139 kDa; Observed MW: 150 kDa |

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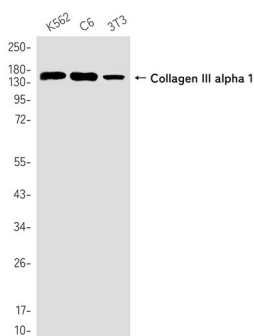
Background

Collagen type III occurs in most soft connective tissues along with type I collagen. Involved in regulation of cortical development. Is the major ligand of ADGRG1 in the developing brain and binding to ADGRG1 inhibits neuronal migration and activates the RhoA pathway by coupling ADGRG1 to GNA13 and possibly GNA12.

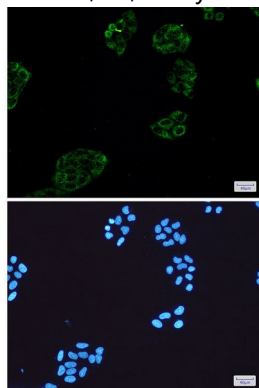
Research Area

Signal Transduction

Image Data



Western blot analysis of Collagen III in K562, C6, 3T3 lysates using Collagen III alpha 1 antibody.



Immunocytochemistry analysis of Collagen III(green) in HeLa using Collagen III antibody, and DAPI(blue)

Note

For research use only.