

Collagen III alpha 1 Rabbit mAb

Catalog # AP76797

Product Information

| | |
|--------------------------|------------------------|
| Application | WB, FC, IP |
| Primary Accession | P02461 |
| Reactivity | Rat, Human, Mouse |
| Host | Rabbit |
| Clonality | Monoclonal Antibody |
| Isotype | IgG |
| Conjugate | Unconjugated |
| Purification | Affinity Purified |
| Calculated MW | 138564 |

Additional Information

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|--------------------|--|
| Gene ID | 1281 |
| Other Names | COL3A1 |
| Dilution | WB~~1:1000 FC~~1:10~50 IP~~N/A |
| Format | 1xPBS(pH 7.4), 150mM NaCl, 50% Glycerol, 0.02% Sodium azide and 0.05% BSA |
| Storage | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |

Protein Information

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|--------------------------|---|
| Name | COL3A1 |
| Function | 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. |
| Cellular Location | Secreted, extracellular space, extracellular matrix {ECO:0000255 PROSITE-ProRule:PRU00793} |

Background

This gene encodes the pro-alpha1 chains of type III collagen, a fibrillar collagen that is found in extensible connective tissues such as skin, lung, uterus, intestine and the vascular system, frequently in association

with type I collagen. Mutations in this gene are associated with Ehlers-Danlos syndrome types IV, and with aortic and arterial aneurysms. Two transcripts, resulting from the use of alternate polyadenylation signals, have been identified for this gene.

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