

# Collagen 3 alpha 1 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51104

## Product Information

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<b>Application</b>	WB, ICC, IHC-P
<b>Primary Accession</b>	<a href="#">P02461</a>
<b>Reactivity</b>	Human, Mouse, Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	138564

## Additional Information

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<b>Gene ID</b>	1281
<b>Other Names</b>	Collagen alpha-1(III) chain, COL3A1
<b>Target/Specificity</b>	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human Collagen 3 alpha 1. The exact sequence is proprietary.
<b>Dilution</b>	WB~~1:1000 ICC~~N/A IHC-P~~N/A
<b>Format</b>	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
<b>Storage</b>	Store at -20 °C.Stable for 12 months from date of receipt

## Protein Information

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

## Background

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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 GPR56 in the developing brain and binding to GPR56 inhibits

neuronal migration and activates the RhoA pathway by coupling GPR56 to GNA13 and possibly GNA12.

## References

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Ala-Kokko L.,et al.Biochem. J. 260:509-516(1989).

Valkkila M.,et al.Matrix Biol. 20:357-366(2001).

Hillier L.W.,et al.Nature 434:724-731(2005).

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