

Collagen 3 alpha 1 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51105

Product Information

Application	WB
Primary Accession	P02461
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	138564

Additional Information

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

Protein Information

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

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

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

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