Collagen III Antibody (R30135)

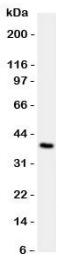
Catalog No.	Formulation	Size
R30135	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
Gene ID	1281
Applications	Western blot: 0.5-1ug/ml
Limitations	This Collagen III antibody is available for research use only.



Western blot testing of Collagen III antibody and human cell lysates 1) MCF-4 and 2) COLO320. Predicted molecular weight ~139 kDa.



Western blot testing of Collagen III antibody and recombinant human protein (0.5ng)

Description

COL3A1, also called EDS4A or Collagen alpha-1(III), is a protein that in humans is encoded by the COL3A1 gene, it is mapped to 2q32.2. COL3A1 chain is a fibrillar-forming collagen comprising 3 alpha-1(III) chains and is expressed in early embryos and throughout embryogenesis. In adult, COL3A1 is a major component of the extracellular matrix in a variety of internal organs and skin. COL3A1 is also a fibrous scleroprotein in bone, cartilage, dentin, tendon, bone marrow stroma and other connective tissue. It is involved in regulation of cortical development, and it Is the major ligand of GPR56 in the developing brain.COL3A1 binding to GPR56 can inhibit neuronal migration and activate the RhoA pathway by coupling GPR56 to GNA13 and possibly GNA12

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Collagen III antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

C-terminal amino acids VGAAAIAGIGGEKAGGFAPYYG were used as the immunogen for this Collagen III antibody.

Storage

After reconstitution, the Collagen III antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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