Leader in Biomolecular Solutions for Life Science

www.abclonal.com

Collagen III alpha 1/COL3A1 Rabbit mAb

Catalog No.: A0817

Recombinant | 38 Publications

Basic Information

Observed MW
150 kDa

Calculated MW
139 kDa

Category
Monoclonal Antibodies

Applications
WB, Auto WB, IP, ELISA

Cross Reactivity
Human, Mouse, Rat

Clone No.
ARC2542

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 type IV, and with aortic and arterial aneurysms.

Recommended Dilutions

WB	1:2000 - 1:12000
Auto WB	1:100 - 1:500

IP
0.5μg-4μg antibody for 200μg-400μg extracts of whole cells

ELISA
Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
1281

Swiss-Prot
P02461

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
EDS4A; EDSVASC; PMGEDSV; Collagen III alpha 1/COL3A1

Contact

400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn

Product Information

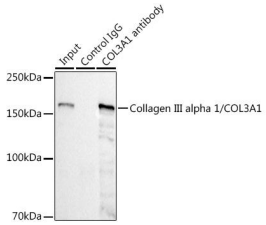
Source
Rabbit

Isotype
IgG

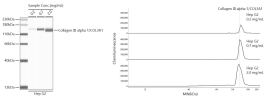
Purity
Affinity purification

Storage
Store at -20℃

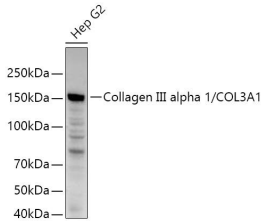
Validation Data



Immunoprecipitation analysis of 300 µg extracts from HepG2 cells using 3 µg Collagen III alpha 1/COL3A1 Rabbit mAb (A0817). Western blot was performed from the immunoprecipitate using Collagen III alpha 1/COL3A1 Rabbit mAb (A0817) at a dilution of 1:1000.



Simple Western™ analysis of lysates from Hep G2 cells using Collagen III alpha 1 /COL3A1 Rabbit mAb (A0817) at 1:100 dilution. The virtual lane view (left) shows the target band (as indicated) with samples in concentrations of 0.2 mg/mL, 0.7 mg/mL and 2.0 mg/mL. The corresponding electropherogram view (right) plots chemiluminescence intensity against molecular weight along the capillary for sample concentrations of 0.2 mg/mL, 0.7 mg/mL and 2.0 mg/mL. This experiment was performed under reducing conditions on the Jess™ Simple Western instrument from ProteinSimple, a BioTechne brand, using the 12-230 kDa separation module.



Western blot analysis of lysates from Hep G2 cells using Collagen III alpha 1/COL3A1 Rabbit mAb (A0817) at 1:8000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1: 10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 1 s.