

Collagen III alpha 1/COL3A1 Rabbit mAb

Catalog No.: A0817 **Recombinant** **11 Publications**

Basic Information

Observed MW

150kDa

Calculated MW

139kDa

Category

Primary antibody

Applications

ELISA,WB,IF/ICC,IP

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

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 1:500 - 1:1000

IF/ICC 1:50 - 1:200

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

Immunogen Information

Gene ID

1281

Swiss Prot

P02461

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 150-400 of human Collagen III alpha 1/COL3A1 (P02461).

Synonyms

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

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

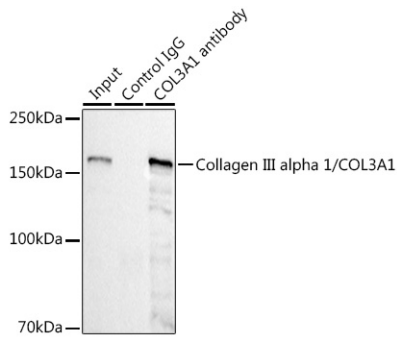
Affinity purification

Storage

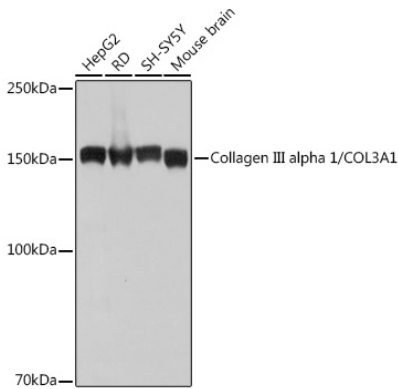
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

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.



Western blot analysis of various lysates using Collagen III alpha 1/COL3A1 Rabbit mAb (A0817) at 1:1000 dilution.

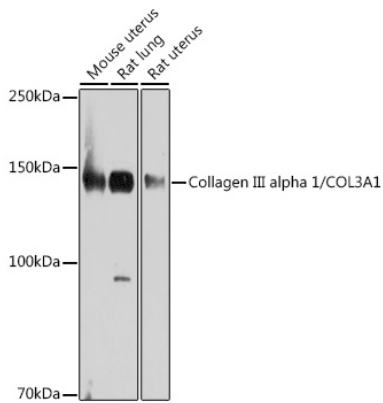
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 1s.



Western blot analysis of various lysates using Collagen III alpha 1/COL3A1 Rabbit mAb (A0817) at 1:1000 dilution.

Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

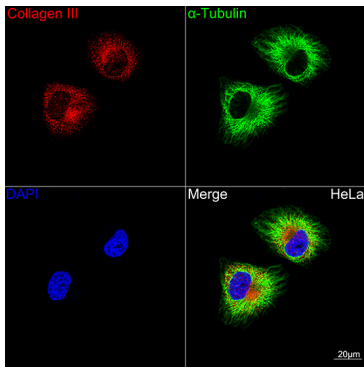
Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 60s.

Validation Data



Confocal imaging of HeLa cells using Collagen III alpha 1/COL3A1 Rabbit mAb (A0817,dilution 1:100)(Red). The cells were counterstained with α -Tubulin Mouse mAb (AC012,dilution 1:400) (Green). DAPI was used for nuclear staining (blue). Objective: 100x.