

Collagen III alpha 1/COL3A1 Rabbit mAb

Catalog No.: A0817 Recombinant 31 Publications

Basic Information

Observed MW

150kDa

Calculated MW

139kDa

Category

Primary antibody

Applications

WB,IP,ELISA

Cross-Reactivity

Human, Mouse, Rat

Clone/No 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 1:1000 - 1:6000

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

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	www.abclonal.com.cn

Product Information

Source

Rabbit

Isotype

IgG

Purification

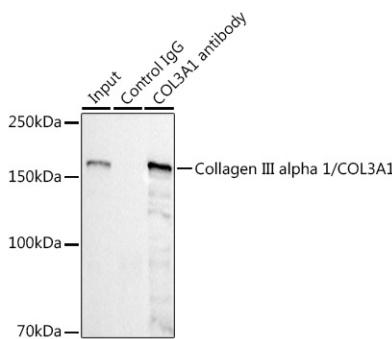
Affinity purification

Storage

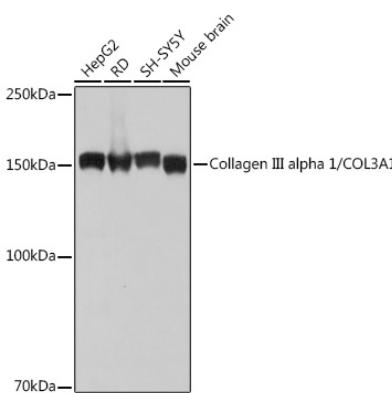
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

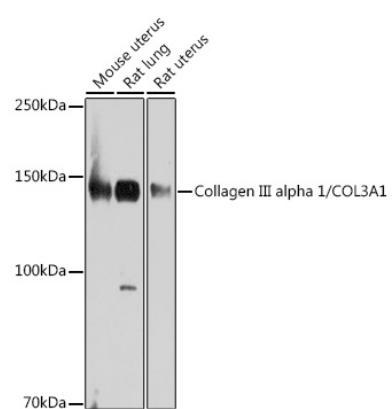
Validation Data



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-conjugated 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-conjugated 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.