

Collagen Type III (AB1519) mouse mAb

V0064

Key Features

Host Species

- Mouse

Reactivity

- Human;

Applications

- IHC; WB; IF; ELISA

MW

- 150 kDa (calculated)
- 200 kDa (observed)

Isotype

- IgG2a, kappa

Recommended Dilution Ratios

Application

IHC; WB; IF; ELISA

Dilution

IHC, 1:200-1:1000 | WB, 1:500-1:2000 | IF, 1:100-1:500 | ELISA, Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Storage

Storage Conditions

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

Storage buffer

The antibody is provided in liquid form in phosphate - buffered saline with 50% glycerol, 0.05% BSA, and 0.05% Proclin 300.

Basic Information

Clonality	Monoclonal
Clone Number	AB1519
Immunogen	A synthetic peptide corresponding to the amino acid region 100 - 200 of the human Collagen Type III protein.
Specificity	This antibody detects endogenous levels of COL3A1 protein.
Purification	Affinity purification Protein A
Concentration	Product concentration may vary by batch. Please refer to the product COA for details.

Target Information

Gene name	COL3A1
Protein Name	Collagen Type III

Database Link	Organism	Swiss Prot.	Gene ID
	Human	P02461	1281

Background	collagen type III alpha 1 chain (COL3A1) Homo sapiens 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 types IV, and with aortic and arterial aneurysms. Two transcripts, resulting from the use of alternate polyadenylation signals, have been identified for this gene. [provided by R. Dalglish, Feb 2008],
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