

Anti-Collagen III Rabbit Monoclonal Antibody

Catalog Number: M00788-1

About COL3A1

Dynamin-related GTPase required for mitochondrial fusion and regulation of apoptosis. May form a diffusion barrier for proteins stored in mitochondrial cristae. Proteolytic processing in response to intrinsic apoptotic signals may lead to disassembly of OPA1 oligomers and release of the caspase activator cytochrome C (CYCS) into the mitochondrial intermembrane space.

Overview

Product Name	Anti-Collagen III Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Collagen III Rabbit Monoclonal Antibody catalog # M00788-1. Tested in WB, ICC/IF, IP, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.
Conjugate	FITC
Application	Flow Cytometry, IP, IF, ICC, WB
Clonality	Monoclonal 26C74
Formulation	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P02461

Technical Details

Immunogen	A synthesized peptide derived from Collagen III
Predicted Reactive Species	Human, Primate
Cross Reactivity	Detects ~20kDa. Does not cross-react with alphaB-crystallin, betaL-crystallin, ̢H- crystallin, gamma-crystallin, HSP25, HSP27 or HSP47 proteins.
Isotype	IgG
Form	Liquid
Concentration	Actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Purification	Affinity-chromatography

Suggested Dilutions

Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

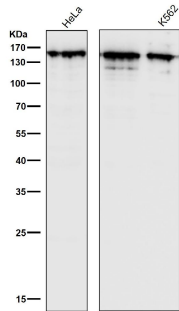
WB 1:500-1:2000

ICC/IF 1:50-1:200

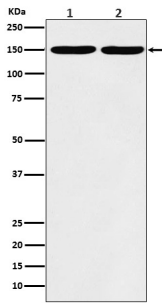
IP 1:50

FC 1:50

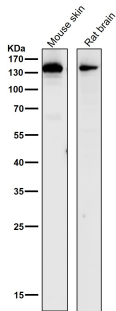
Anti-Collagen III Rabbit Monoclonal Antibody (M00788-1) Images



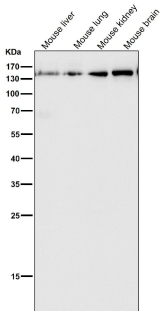
All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.



Western blot analysis of Collagen III expression in (1) A431 cell lysate; (2) MCF7 cell lysate.



All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.



All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.

2 Publications Citing This Product

1. PubMed ID: 10.1016/S1995-7645(14)60097-3, Effect of Rougan Huaqian granules combined with human mesenchymal stem cell transplantation on liver fibrosis in cirrhosis rats.

2. PubMed ID: 10.1016/j.hlc.2016.01.022, MicroRNA-21 via Dysregulation of WW Domain-Containing Protein 1 Regulate Atrial Fibrosis in Atrial Fibrillation

Visit bosterbio.com/anti-collagen-iii-rabbit-monoclonal-antibody-m00788-1-boster.html to see all 2 publications.

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