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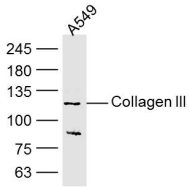
Collagen III Mouse mAb

Catalog Number:	bsm-33129M
Target Protein:	Collagen III
Concentration:	1mg/ml
Host:	Mouse
Clonality:	Monoclonal
Applications:	WB (1:500-1000),
Reactivity:	Human (predicted：Mouse,Rat)
Predicted MW:	117 kDa
Isotype:	IgG
Entrez Gene:	1281
Swiss Prot:	P02461
Purification:	affinity purified by Protein G
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20℃ for one year. Avoid repeated freeze/thaw cycles.
Background:	The extensive family of COL gene products (collagens) is composed of several chain types, including fibril-forming interstitial collagens (types I, II, III and V) and basement membrane collagens (type IV), each type containing multiple isoforms. Collagens are fibrous, extracellular matrix proteins with high tensile strength and are the major components of connective tissue, such as tendons and cartilage. All collagens contain a triple helix domain and frequently show lateral self-association in order to form complex connective tissues. Several collagens also play a role in cell adhesion, important for maintaining normal tissue architecture and function. 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.

VALIDATION IMAGES



Sample: A549 Cell (Human)
Lysate at 40 ug
Primary: Anti-Collagen III (bsm-33129M) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution
Predicted band size: 117 kD
Observed band size: 117 kD

PRODUCT SPECIFIC PUBLICATIONS

[IF=6.15] Si-lin Lv. et al. Lp-PLA2 inhibition prevents Ang II-induced cardiac inflammation and fibrosis by blocking macrophage NLRP3 inflammasome activation. Acta Pharmacol Sin. 2021 Jul;:1-17 WB ; Mouse . 34226664

[IF=2.784] Yang et al. miR-1307-3p suppresses the chondrogenic differentiation of human adipose-derived stem cells by targeting BMPR2. (2018) Int.J.Mol.Med. 42:3115-3124 ICC ; . 30272255