

bs-0948R**[Primary Antibody]**

Collagen III Rabbit pAb

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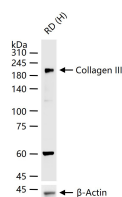
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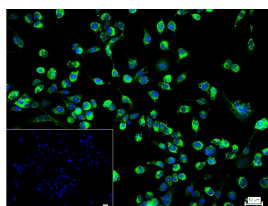
— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) Flow-Cyt (1 μ g/Test) ICC/IF (1:50-200) Reactivity: Human (predicted: Cow, Chicken, Dog) Predicted MW.: 117 kDa Observed MW.: 150-200 kDa Subcellular Location: Secreted ,Extracellular matrix
Clonality: Polyclonal		
GeneID: 1281	SWISS: P02461	
Target: Collagen III		
Immunogen: KLH conjugated synthetic peptide derived from human Collagen alpha 1(III) chain: 801-900/1466.		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C 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.		

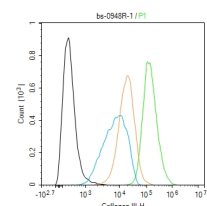
— VALIDATION IMAGES —



25 μ g total protein per lane of various lysates (see on figure) probed with Collagen III polyclonal antibody, unconjugated (bs-0948R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



4% Paraformaldehyde-fixed RD (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (Collagen III) polyclonal Antibody, unconjugated (bs-0948R) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG antibody (green, bs-60295G-BF488) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.



The RD (H) cells were fixed with 4% PFA (10 min at r.t.) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, the cells then were incubated in 5% BSA to block non-specific protein-protein interactions (30 min at r.t.). Primary Antibody (green): Rabbit Anti-Collagen III antibody (bs-0948R): 1 μ g/10⁶ cells; Secondary Antibody (white blue): Goat anti-Rabbit IgG-BF488(bs-60295G-BF488): 1 μ g/test. Isotype Control (orange): Rabbit IgG (bs-0295P). Blank control (black): PBS. Acquisition of 20,000 events was performed.

— SELECTED CITATIONS —

- **[IF=9.6]** Zhou Yuxia. et al. Cellular crosstalk mediated by Meteorin-like regulating hepatic stellate cell activation during hepatic fibrosis. CELL DEATH DIS. 2025 May;16(1):1-16 WB ;Human. 40393967
- **[IF=6.543]** Liu Lulu. et al. Hydrogen Sulfide Attenuates Angiotensin II-Induced Cardiac Fibroblast Proliferation and Transverse Aortic Constriction-Induced Myocardial Fibrosis through Oxidative Stress Inhibition via Sirtuin 3. Oxid Med Cell Longev. 2021;2021:9925771 WB ;rat. 34603602
- **[IF=6.3]** Hao Zhang. et al. Dietary rumen-protected L-arginine or N-carbamylglutamate enhances placental amino acid transport and suppresses angiogenesis and steroid anabolism in underfed pregnant ewes. ANIM NUTR. 2023 Aug:: WB ;Sheep. 10.1016/j.aninu.2023.08.005
- **[IF=5.4]** Betül Seher Uysal. et al. Investigation of healing strategies in a rat corneal opacity model with polychromatic light and stem cells injection. J PHOTOCH PHOTOBIO B. 2024 Apr;253:112874 IHC ;Rat. 38422971
- **[IF=5.187]** Mingzhu Jiang. et al. Blocking AURKA with MK-5108 attenuates renal fibrosis in chronic kidney disease. Bba-Mol Basis Dis. 2021 Nov;1867:166227 WB ;Rat. 34311081