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Anti-Collagen III Rabbit mAb [06D80]

Catalog No.: A52084

Basic Information

Catalog No. (Cat.No.)	A52084
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IP,IF,ELISA
Synonyms	Collagen III,Collagen-III,Procollagen type III alpha 1 chain,pIIIalpha1(CN),procollagen III alpha 1

Product Information

Target	Collagen III
Molecular Weight(Calculated)	138 kDa
Molecular Weight(Observed)	150 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	06D80
RRID	NA
Storage buffer	50% Glycerol, 0.05% BSA and 0.05% preservative in PBS (pH 7.2-7.4)
Storage	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.
Shipped at conditions	Frozen
Form	Liquid

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Product Usage Information

Application	Dilution
WB	1:1000-1:5000
IHC	1:20-1:100
IP	1:50-1:200
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	Collagen type III alpha-1 chain
Gene Name	*COL3A1*
Domain	NA
Background	Collagen III belongs to fibrillar collagen family and mediates extracellular-matrix assembly and tissue structural support. Synthesized and secreted mainly by fibroblasts, Collagen III assembles together with Collagen I to build soft-tissue ECM scaffold, abundantly present in skin, blood vessel, lung and liver to sustain tissue elasticity and mechanical strength. Upon tissue injury, Collagen III is robustly induced for early wound repair. Sustained excessive deposition underlies organ fibrosis and destroys tissue architecture. Within tumor microenvironment, Collagen III drives ECM remodeling and modulates tumor-cell invasion.