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Anti-CTGF Rabbit mAb [07F57]

Catalog No.: A52089

Basic Information

Catalog No. (Cat.No.)	A52089
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IP,ELISA
Synonyms	CTGF,CCN2,Novel cysteine-rich protein,IGFBP-related protein 2

Product Information

Target	CTGF
Molecular Weight(Calculated)	38 kDa
Molecular Weight(Observed)	38 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	07F57
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	1:500-1:2000
IP	1:50-1:200
ELISA	1:5000-1:20000

Target Information

Protein Name	Connective tissue growth factor
Gene Name	*CTGF*
Domain	NA
Background	CTGF (Connective tissue growth factor, CCN2) is a secreted extracellular-matrix protein of CCN family, regulating ECM remodeling, cell proliferation-migration and fibrogenesis. Robustly induced by pro-fibrotic cues such as TGF-β, secreted CTGF drives fibroblast activation and boosts synthesis-deposition of collagens and other ECM components to promote fibrosis. It also modulates cell adhesion, angiogenesis and epithelial-mesenchymal transition. CTGF mediates tissue remodelling during wound repair, while sustained aberrant overexpression causes organ fibrosis. Within tumor microenvironment, CTGF shapes stromal remodelling and influences tumor proliferation and invasion. CTGF serves as a central fibrotic marker for organ-fibrosis, wound-repair and tumor-microenvironment researches.