

<b>Cat. No:</b>	AB-84282
<b>Size:</b>	100ug
<b>Clone:</b>	POLY
<b>Concentration:</b>	1mg/ml
<b>Host:</b>	Rb
<b>Isotype:</b>	IgG
<b>Reactivity:</b>	Hu, Ms, Rt
<b>Applications:</b>	Western blotting: 1:1000 Immunohistochemistry: 1:100
<b>Molecular Weight:</b>	35kDa
<b>Purification:</b>	Polyclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Val174 of human CTGF protein.
<b>Background:</b>	Connective tissue growth factor (CTGF, CCN2) belongs to the CCN (CYR61, CTGF, NOV) family of secreted extracellular matrix (ECM) proteins (1). Members of this family contain four conserved cysteine-rich domains, and interact in the ECM with a diverse array of cell surface receptors, including integrins and heparin-sulfate proteoglycans (2). These interactions regulate a multitude of cellular and tissue functions, including adhesion, proliferation, migration, differentiation, senescence, angiogenesis, inflammation, and wound repair (1, 3-5). The CTGF gene is a transcriptional target of both YAP/TAZ and TGF $\beta$ -SMAD signaling pathways (6,7), and aberrant regulation of CTGF expression is strongly associated with pathological conditions, notably cancer and fibrosis (8, 9). CTGFRabbit pAb recognizes endogenous levels of total CTGF protein. By Western blot analysis, the antibody detects a 120 kDa protein of unknown identity in both CTGF-positive and CTGF-negative cell lines.
<b>Form:</b>	Liquid
<b>Buffer:</b>	PBS with 0.02% sodium azide and 50% glycerol pH 7.3
<b>Storage:</b>	T -20°C for 12 months(Avoid repeated freeze / thaw cycles.)

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