



# Anti-CTGF polyclonal antibody (CPBT-65615RH)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

### Product Overview

Rabbit anti Human CTGF antibody specifically recognizes human CTGF (connective tissue growth factor), a 323 amino acid polypeptide and member of the CCN family of secreted cysteine rich regulatory proteins, which is produced by vascular endothelial and umbilical vein cells, and interacts with several other growth factors, including transforming growth factor beta (TGF-beta), vascular endothelial growth factor (VEGF) and bone morphogenetic proteins (BMPs). CTGF is a heparin-binding pleiotropic growth factor involved in chondrogenesis and potentially skeletogenesis. CTGF promotes the adhesion of epithelial cells and fibroblasts, stimulates integrin expression, and also promotes endothelial cell survival, migration and adhesion, implicating CTGF in angiogenesis. CTGF induces extracellular matrix formation, including the deposition of excessive collagen in fibrotic diseases, and has also been implicated in wound healing. ELISA This purified human CTGF antibody may be used in an indirect ELISA or as the capture reagent in a sandwich ELISA.

<b>Specificity</b>	CTGF
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA; FA; IF; IHC-P; WB
<b>Format</b>	Purified IgG - lyophilised
<b>Size</b>	100 µg
<b>Preservative</b>	None

<b>Storage</b>	in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
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## GENE INFORMATION

<b>Gene Name</b>	<a href="#">CTGF connective tissue growth factor [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	CTGF
<b>Synonyms</b>	CTGF; connective tissue growth factor; CCN2; NOV2; HCS24; IGFBP8; IBP-8; IGFBP-8; CCN family member 2; IGF-binding protein 8; hypertrophic chondrocyte-specific protein 24; insulin-like growth factor-binding protein 8;
<b>Entrez Gene ID</b>	<a href="#">1490</a>
<b>Protein Refseq</b>	<a href="#">NP_001892</a>
<b>UniProt ID</b>	P29279
<b>Chromosome Location</b>	6q23.1
<b>Pathway</b>	Fatty acid, triacylglycerol, and ketone body metabolism; Gene Expression; Generic Transcription Pathway; Hippo signaling pathway; Metabolism; Metabolism of lipids and lipoproteins; PPARA activates gene expression; Regulation of lipid metabolism by Peroxisome proliferator-activated receptor alpha (PPARalpha);
<b>Function</b>	fibronectin binding; growth factor activity; heparin binding; insulin-like growth factor binding; integrin binding; protein binding;