

anti-Human, Rat CTGF Polyclonal Antibody | anti-CTGF antibody

Anti-CTGF Antibody

CATALOG # AAA46410	REACTIVITY Human, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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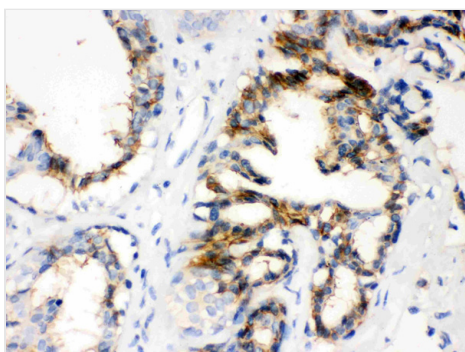
PRODUCT SYNONYMS

CTGF; Polyclonal Antibody; Anti-CTGF Antibody; Connective tissue growth factor; CCN 2; CCN family member 2; CCN2; Connective Tissue Growth Factor; CTGF_HUMAN; Hcs 24; Hcs24; Hypertrophic chondrocyte specific protein 24; Hypertrophic chondrocyte-specific gene product 24; Hypertrophic chondrocyte-specific protein 24; IBP-8; IGF-binding protein 8; IGFBP-8; IGFBP8; Insulin like Growth Factor Binding Protein 8; Insulin-like Growth Factor-Binding Protein 8; MGC102839; NOV 2; NOV2; connective tissue growth factor; anti-CTGF antibody

PRODUCT SPECIFICATIONS

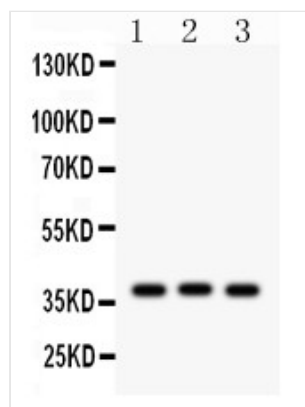
Reactivity	Human, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	349
Applicable Applications for anti-CTGF antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human CTGF recombinant protein (Position: R58-A349). Human CTGF shares 95.5% and 95.9% amino acid (aa) sequence identity with mouse and rat CTGF, respectively.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)

Anti-CTGF Picoband antibody, AAA46410, IHC(P)IHC(P): Human Mammary Cancer Tissue



WB (Western Blot)

Anti-CTGF Picoband antibody, AAA46410, Western blottingAll lanes: Anti CTGF (AAA46410) at 0.5ug/mlLane 1: Rat Liver Tissue Lysate at 50ugLane 2: Rat Thymus Tissue Lysate at 50ugLane 3: HELA Whole Cell Lysate at 40ugPredicted bind size: 38KDObserved bind size: 38KD

ADDITIONAL INFORMATION

Related Product Information for anti-CTGF antibody	Description: Rabbit IgG polyclonal antibody for Connective tissue growth factor(CTGF) detection. Tested with WB, IHC-P in Human;Rat. Background: CTGF, also known as CCN2 or connective tissue growth factor, is a matricellular protein of the CCN family of extracellular matrix-associated heparin-binding proteins (see also CCN intercellular signaling protein). CTGF has important roles in many biological processes, including cell adhesion, migration, proliferation, angiogenesis, skeletal development, and tissue wound repair, and is critically involved in fibrotic disease and several forms of cancers. The protein encoded by this gene is a mitogen that is secreted by vascular endothelial cells. And the encoded protein plays a role in chondrocyte proliferation and differentiation, cell adhesion in many cell types, and is related to platelet-derived growth factor. Certain polymorphisms in this gene have been linked with a higher incidence of systemic sclerosis.
References	1. Chen CC, Lau LF (April 2009). "Functions and mechanisms of action of CCN matricellular proteins". Int. J. Biochem. Cell Biol. 41 (4): 771-83. 2. Hall-Glenn F, Lyons KM (October 2011). "Roles for CCN2 in normal physiological processes". Cell. Mol. Life Sci. 68 (19): 3209-17. 3. Jun JI, Lau LF (December 2011). "Taking aim at the extracellular matrix: CCN proteins as emerging therapeutic targets". Nat Rev Drug Discov 10 (12): 945-63.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503123
NCBI GeneID	1490
NCBI Accession #	NP_001892.1
NCBI GenBank Nucleotide #	NM_001901.2
UniProt Accession #	P29279; Q6LCY0; Q96A79; Q96QX2; Q9UDL6; E1P578
Molecular Weight	35,205 Da
NCBI Official Full Name	connective tissue growth factor
NCBI Official Synonym Full Names	connective tissue growth factor
NCBI Official Symbol	CTGF
NCBI Official Synonym Symbols	CCN2; NOV2; HCS24; IGFBP8
NCBI Protein Information	connective tissue growth factor
UniProt Protein Name	Connective tissue growth factor
UniProt Gene Name	CTGF
UniProt Synonym Gene Names	CCN2; HCS24; IGFBP8; IBP-8; IGF-binding protein 8; IGFBP-8
UniProt Entry Name	CTGF_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/ctgf-antibody-immunohistochemistry-western-blot-elisa/46410>