



Anti-Human CTGF

20150223ML



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	102-P224
Size:	100 µg
Lot. No.:	According to product label

Preparation: Produced from sera of rabbits pre-immunized with highly pure (>98%) recombinant CTGF. Anti-Human CTGF specific antibody was purified by affinity chromatography employing immobilized CTGF matrix.

Target Background

Synonyms (Target):	CTGF; CCN2; NOV2; HCS24; IGFBP8
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CTGF belongs to the CCN (CYR61/CTGF/NOV) family of secreted proteins that share a common multimodular organization. Each protein contains an IGF-binding protein domain, a von Willebrand factor type C domain, a thrombospondin type I domain, and a cysteine knot domain. The multimodular CTGF has the ability to bind multiple ligands and has numerous effects on development, differentiation, and disease. The C-terminal cysteine knot motif contains the heparin and low density lipoprotein receptor (LDLR) binding sites that contribute to the adhesive and mitogenic properties of CTGF.

Database References Target

Protein RefSeq:	NP_001892
Uniprot ID:	P29279
mRNA RefSeq:	NM_001901

Product Specifications

Species reactivity	Human
Clone/Ab feature	Rabbit IgG
Cross reactivity	Human
Host	Rabbit
Clonality	Polyclonal Antibody
Purification	Antigen-affinity purified
Immunogen	Recombinant Human CTGF
Formulation	lyophilized from PBS
Reconstitution buffer	water

Reconstitution: Reconstitute the antibody in sterile water to a concentration of 0.1 - 1.0 mg/ml.

Stability: The lyophilized antibody is stable for at least 2 years from date of receipt at -20°C. The reconstituted antibody is stable for at least two weeks at 2-8°C. Frozen aliquots are stable for at least 6 months when stored at -20°C.



AVOID REPEATED FREEZE AND THAW CYCLES!

Applications

Western Blot: To detect CTGF by Western Blot analysis this antibody can be used at a concentration of 0.1 - 0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant CTGF is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.

ELISA:

Indirect: To detect CTGF by indirect ELISA (using 100 µl/well antibody solution) a concentration of 0.5 - 2.0 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with compatible secondary reagents, allows the detection of at least 0.2 - 0.4 ng/well of recombinant CTGF.

Sandwich: To detect CTGF by sandwich ELISA (using 100 µl/well antibody solution) a concentration of 0.5 - 2.0 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with an appropriate secondary conjugated antibody, allows the detection of at least 0.2 - 0.4 ng/well of recombinant CTGF.

NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!