



Anti-Human CTGF/L / WISP-2

20150223ML



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	102-P110
Size:	100 µg
Lot. No.:	According to product label

Preparation: Produced from sera of rabbits pre-immunized with highly pure (>98%) recombinant hCTGF/L/WISP-2. Anti-hCTGF/L/WISP-2 specific antibody was purified by affinity chromatography employing immobilized hCTGF/L/WISP-2 matrix.

Target Background

Synonyms (Target):	WISP2; CCN5; CT58; CTGF-L
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CTGF/L/WISP-2 is a 28.6 kDa protein that belongs to the CCN family of cysteine rich regulatory proteins. Members of this family stimulate mitosis, adhesion, apoptosis, extracellular matrix production, growth arrest, and migration of multiple cell types. The protein is expressed in primary osteoblasts, fibroblasts, ovary, testes, and heart. In addition to promoting adhesion of osteoblasts, CTGF/L/WISP-2 inhibits osteocalcin production, as well as binding of fibrinogen to integrin receptors. Recombinant human CTGF/L/WISP-2 is a 24.8 kDa protein of 228 amino acid residues.

Database References Target

Protein RefSeq:	NP_003872
Uniprot ID:	O76076
mRNA RefSeq:	NM_003881

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/L/WISP-2
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 hCTGF/L/WISP-2 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 hCTGF/L/WISP-2 is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.

ELISA: To detect hCTGF/L/WISP-2 by direct ELISA (using 100µl/well antibody solution) a concentration of at least 0.5µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with compatible secondary reagents, allows the detection of 0.2 - 0.4 ng/well of recombinant hCTGF/L/WISP-2.

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