

## DESCRIPTION

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| <b>Species Reactivity</b>                                                                                                                                                                               | Human                                                                                                                                            |
| <b>Specificity</b>                                                                                                                                                                                      | Detects human CTGF/CCN2 C-Terminus in direct ELISAs. In direct ELISAs, approximately 15% cross-reactivity with recombinant rat CTGF is observed. |
| <b>Source</b>                                                                                                                                                                                           | Polyclonal Goat IgG                                                                                                                              |
| <b>Purification</b>                                                                                                                                                                                     | Antigen Affinity-purified                                                                                                                        |
| <b>Immunogen</b>                                                                                                                                                                                        | <i>E. coli</i> -derived recombinant human CTGF/CCN2 C-Terminus<br>Glu247-Ala349<br>Accession # P29279                                            |
| <b>Conjugate</b>                                                                                                                                                                                        | Alexa Fluor 405<br>Excitation Wavelength: 405 nm<br>Emission Wavelength: 421 nm                                                                  |
| <b>Formulation</b>                                                                                                                                                                                      | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide                                                                                     |
| *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions. |                                                                                                                                                  |

## APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

**Immunohistochemistry** Optimal dilution of this antibody should be experimentally determined.

## PREPARATION AND STORAGE

**Shipping** The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

**Stability & Storage** Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

## BACKGROUND

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 contributes to the adhesive and mitogenic properties of CTGF.

## PRODUCT SPECIFIC NOTICES

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