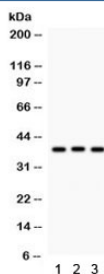


CTGF Antibody (R32048)

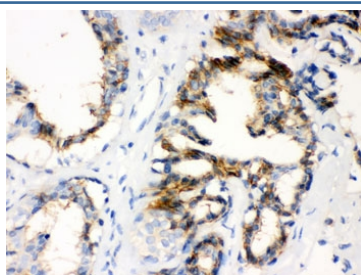
Catalog No.	Formulation	Size
R32048	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	P29279
Localization	Cytoplasmic, secreted
Applications	Western Blot : 0.1-0.5ug/ml IHC (FFPE) : 0.5-1ug/ml
Limitations	This CTGF antibody is available for research use only.



Western blot testing of 1) rat liver, 2) rat thymus and 3) human HeLa lysate with CTGF antibody. Predicted/observed molecular weight ~38 kDa.



IHC testing of FFPE human breast cancer tissue with CTGF antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.

Description

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.

Application Notes

Optimal dilution of the CTGF antibody should be determined by the researcher.

Immunogen

Amino acids 58-349 of human CTGF were used as the immunogen for the CTGF antibody.

Storage

After reconstitution, the CTGF antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.