

ARG66114 anti-CTGF antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes CTGF
Tested Reactivity	Hu, Rat
Tested Application	ELISA, IHC-P, Neut, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CTGF
Species	Human
Immunogen	E. coli derived recombinant Human CTGF. (GKKCIRTPKI SKPIKFELSG CTSMKTYRAK FCGVCTDGRG CTPHRTTTL PVEFKCPDGEV MKNMFMFIKT CACHYNCPGD NDIFESLYR KMYGDMA)
Conjugation	Un-conjugated
Alternate Names	Insulin-like growth factor-binding protein 8; IGFBP-8; CCN2; IBP-8; HCS24; Connective tissue growth factor; IGF-binding protein 8; CCN family member 2; IGFBP8; Hypertrophic chondrocyte-specific protein 24; NOV2

Application Instructions

Application table	Application	Dilution
	ELISA	Sandwich: 0.5 - 2.0 µg/ml with ARG66115 as a detection antibody
	IHC-P	0.125 - 0.250 µg/ml
	Neut	6.0 - 9.0 µg/ml (To yield [ND50] of the biological activity of hCTGF (5.0 µg/ml))
	WB	0.1 - 0.2 µg/ml
Application Note	IHC-P: Antigen Retrieval: Boil tissue section in Sodium Citrate buffer (pH 6.0) followed by cooling at RT for 20 min. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.2)
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

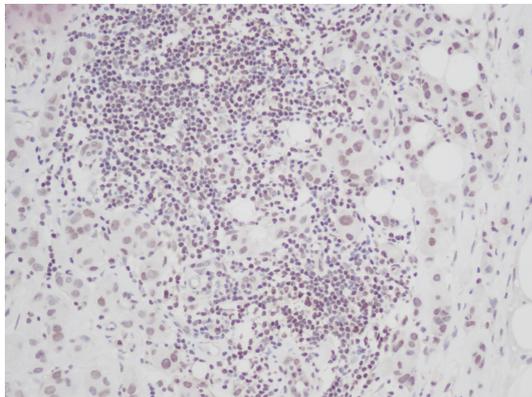
and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

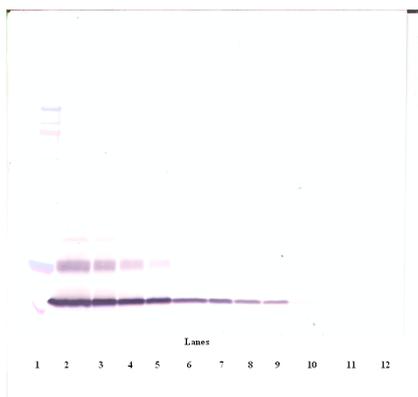
Database links	GeneID: 1490 Human GeneID: 64032 Rat Swiss-port # P29279 Human Swiss-port # Q9R1E9 Rat
Gene Symbol	CTGF
Gene Full Name	connective tissue growth factor
Background	The protein encoded by this gene is a mitogen that is secreted by vascular endothelial cells. The encoded protein plays a role 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. [provided by RefSeq, Nov 2009]
Function	Major connective tissue mitogen secreted by vascular endothelial cells. Promotes proliferation and differentiation of chondrocytes. Mediates heparin- and divalent cation-dependent cell adhesion in many cell types including fibroblasts, myofibroblasts, endothelial and epithelial cells. Enhances fibroblast growth factor-induced DNA synthesis. [UniProt]
Calculated Mw	38 kDa

Images



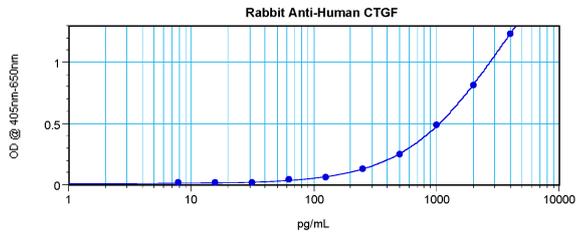
ARG66114 anti-CTGF antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded sections of Human breast invasive malignant carcinoma. The recommended ARG66114 anti-CTGF antibody concentration is 0.125 µg/ml - 0.250 µg/ml with an overnight incubation at 4°C. An HRP-labeled polymer detection system was used with a DAB chromogen. Antigen Retrieval: Boil tissue section in Sodium Citrate buffer (pH 6.0) followed by cooling at RT for 20 min.



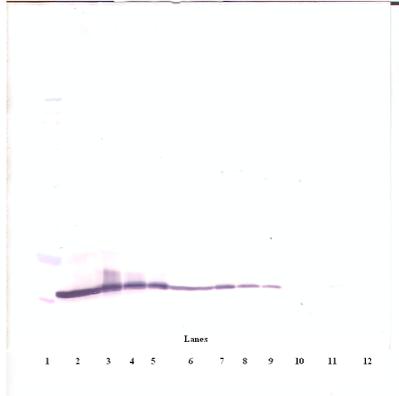
ARG66114 anti-CTGF antibody WB image

Western blot: 250 - 0.24 ng of Human CTGF stained with ARG66114 anti-CTGF antibody, under non-reducing conditions.



ARG66114 anti-CTGF antibody standard curve image

Sandwich ELISA: ARG66114 anti-CTGF antibody as a capture antibody at 0.5 - 2.0 $\mu\text{g}/\text{ml}$ combined with ARG66115 anti-CTGF antibody (Biotin) as a detection antibody. Results of a typical standard run with optical density reading at 405 - 650 nm.



ARG66114 anti-CTGF antibody WB image

Western blot: 250 - 0.24 ng of Human CTGF stained with ARG66114 anti-CTGF antibody, under reducing conditions.