

Datasheet for ABIN6391344
anti-CTGF antibody (Internal Region)



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2 Images

Overview

Quantity:	100 µg
Target:	CTGF
Binding Specificity:	Internal Region
Reactivity:	Human, Mouse, Rat
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This CTGF antibody is un-conjugated
Application:	Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF)

Product Details

Purpose:	CTGF
Sequence:	TLPVEFKCPD GE
Isotype:	IgG
Specificity:	Immunizing peptide overlaps disulphide bond
Cross-Reactivity:	Cow, Dog, Human, Mouse, Pig, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

Target Details

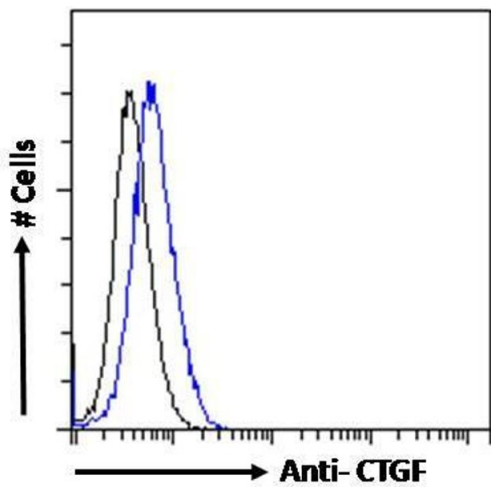
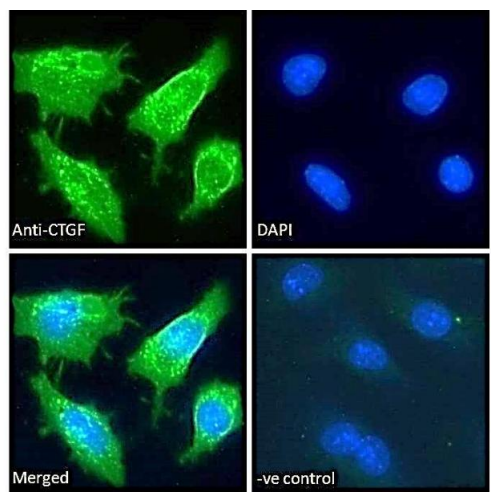
Target:	CTGF
Alternative Name:	CCN2 (CTGF Products)
Background:	CTGF, connective tissue growth factor, CCN2, HCS24, IGFBP8, MGC102839, NOV2, CCN family member 2, IBP-8, IGF-binding protein 8, IGFBP-8, OTTHUMP00000017213, hypertrophic chondrocyte-specific protein 24, insulin-like growth factor-binding protein 8
Gene ID:	1490, 14219, 64032
NCBI Accession:	NP_001892
Pathways:	Regulation of Lipid Metabolism by PPARalpha , Positive Regulation of Endopeptidase Activity , Growth Factor Binding

Application Details

Application Notes:	Immunohistochemistry: Paraffin embedded Rat Liver. Recommended concentration: 6-8 µg/mL. Peptide ELISA: antibody detection limit dilution 1:16000.
Comment:	Immunofluorescence: Strong expression of the protein seen in the cytoplasm/membrane of NIH3T3 and HepG2 cells. Recommended concentration: 10µg/ml.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.



Immunofluorescence

Image 1. ABIN6391344 Immunofluorescence analysis of paraformaldehyde fixed HepG2 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic/membrane and extracellular staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).

Flow Cytometry

Image 2. ABIN6391344 Flow cytometric analysis of paraformaldehyde fixed HepG2 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.