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Research Use Only. Not for diagnostic or therapeutic use.

EB11760 - Goat Anti-CTGF Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: CCN family member 2, CCN2, connective tissue growth factor, CTGF, HCS24, hypertrophic chondrocyte-specific protein 24, IBP-8, IGF-binding protein 8, IGFBP-8, insulin-like growth factor-binding protein 8, MGC102839,

OTTHUMP00000017213, NOV2

Official Symbol: CCN2

Accession Number(s): NP_001892.1

Human GeneID(s): 1490

Non-Human GenelD(s): 14219 (mouse), 64032 (rat)

Important Comments: Immunizing peptide overlaps disulphide bond

Immunogen

Peptide with sequence TLPVEFKCPDGE, from the internal region (near C Terminus) of the protein sequence according to NP_001892.1.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:16000.

IHC: Paraffin embedded Rat Liver. Recommended concentration: 6-8µg/ml.

Immunofluorescence: Strong expression of the protein seen in the cytoplasm/membrane

of NIH3T3 and HepG2 cells. Recommended concentration: 10µg/ml.

Species Reactivity

Tested: Human, Mouse, Rat

Expected from sequence similarity: Human, Mouse, Rat, Dog, Pig, Cow

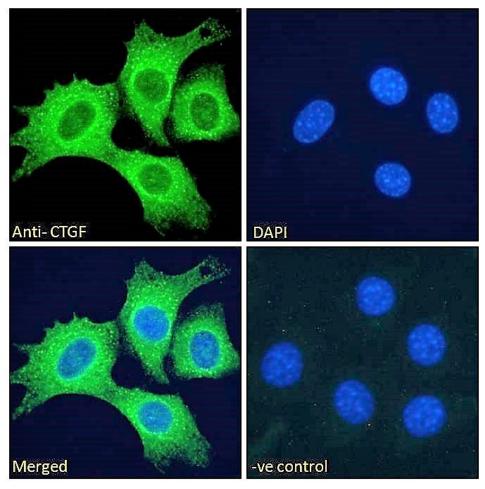
Specific Reference

This antibody has been successfully used in IF on Mouse:

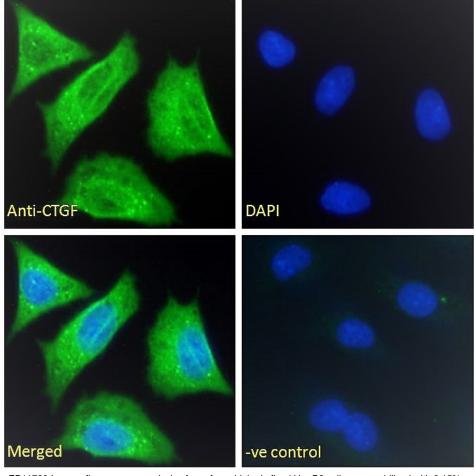
Felipe Paredes, Holly C Williams, Izabela Suster, Macarena Tejos, Roberto Fuentealba, Bethany Bogan, Claire M Holden, Alejandra San Martin Metabolic regulation of the proteasome under hypoxia by Poldip2 controls fibrotic signaling in vascular smooth muscle cells.

Free Radic Biol Med. 2023 Feb 1:195:283-297.

PMID: 36596387



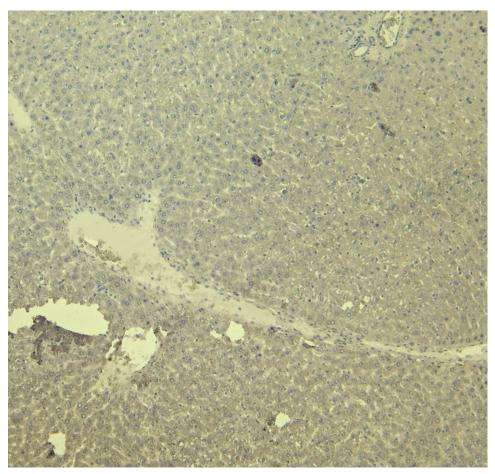
EB11760 Immunofluorescence analysis of paraformaldehyde fixed NIH3T3 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic/membrane staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB11760 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 staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB11760 (6µg/ml) staining of paraffin embedded Rat Liver. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



 ${\sf EB11760\ Negative\ Control\ showing\ staining\ of\ paraffin\ embedded\ Rat\ Liver,\ with\ no\ primary\ antibody.}$