

## UK Office

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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, IGFBP8, 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 GeneID(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

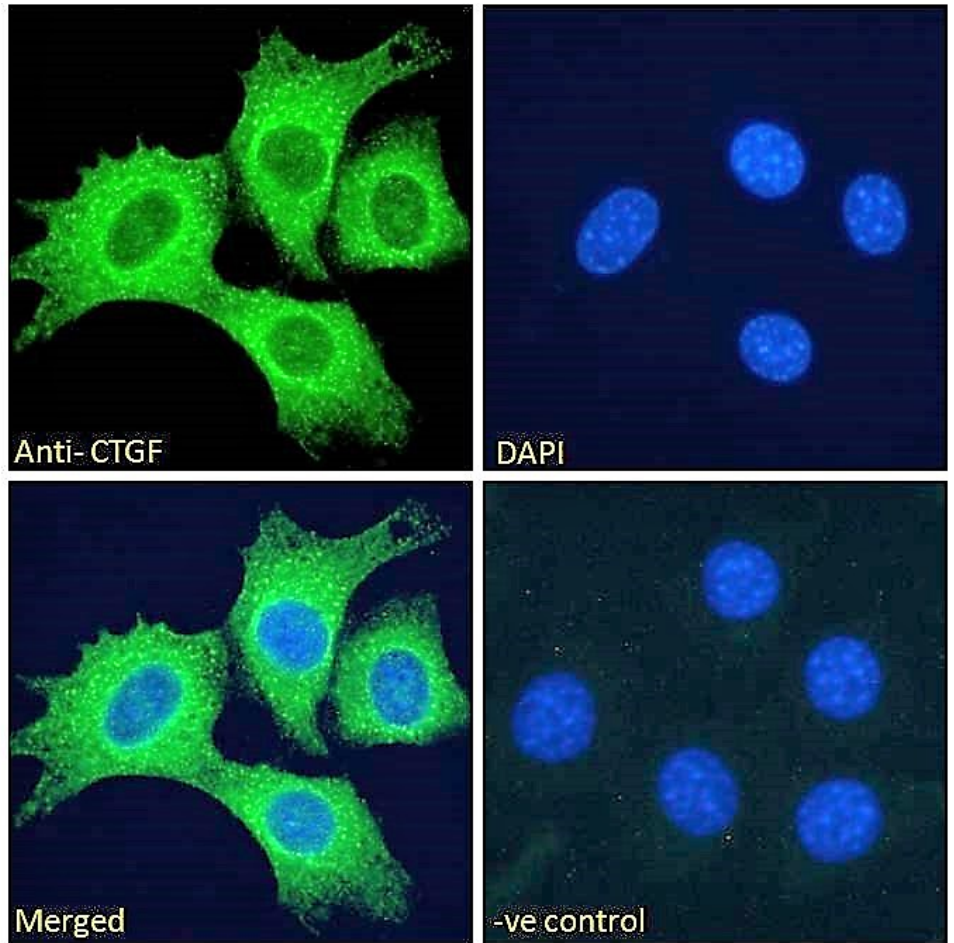
**This antibody has been successfully used in IF on Mouse:**

Felipe Paredes, Holly C Williams, Izabela Suster, Macarena Tejos, Roberto Fuentealba, Bethany Bogan, Claire M Holden, Alejandra San Martin

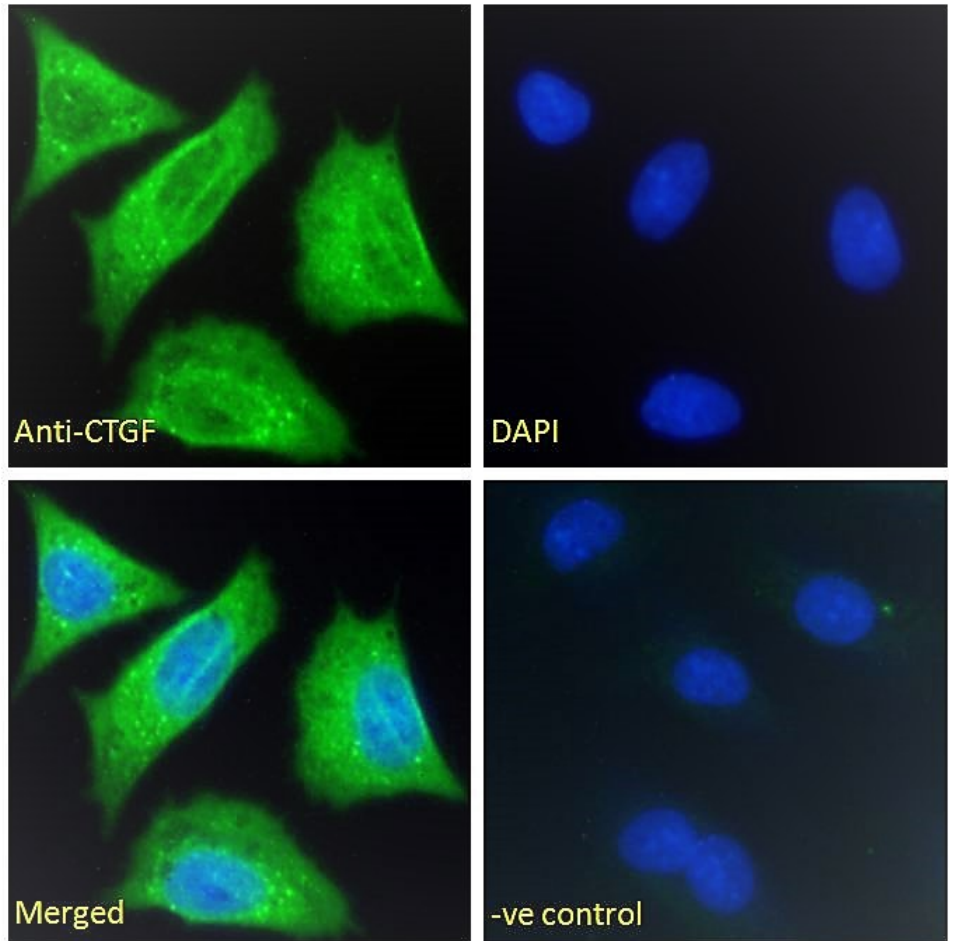
Metabolic regulation of the proteasome under hypoxia by Poldip2 controls fibrotic signaling in vascular smooth muscle cells.

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

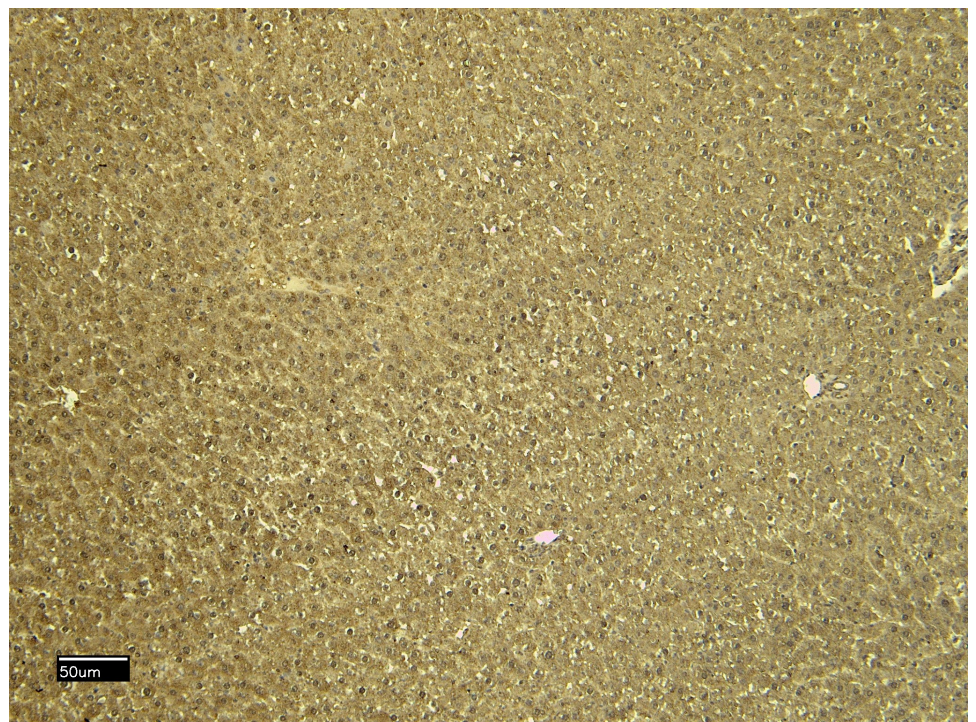
PMID: 36596387



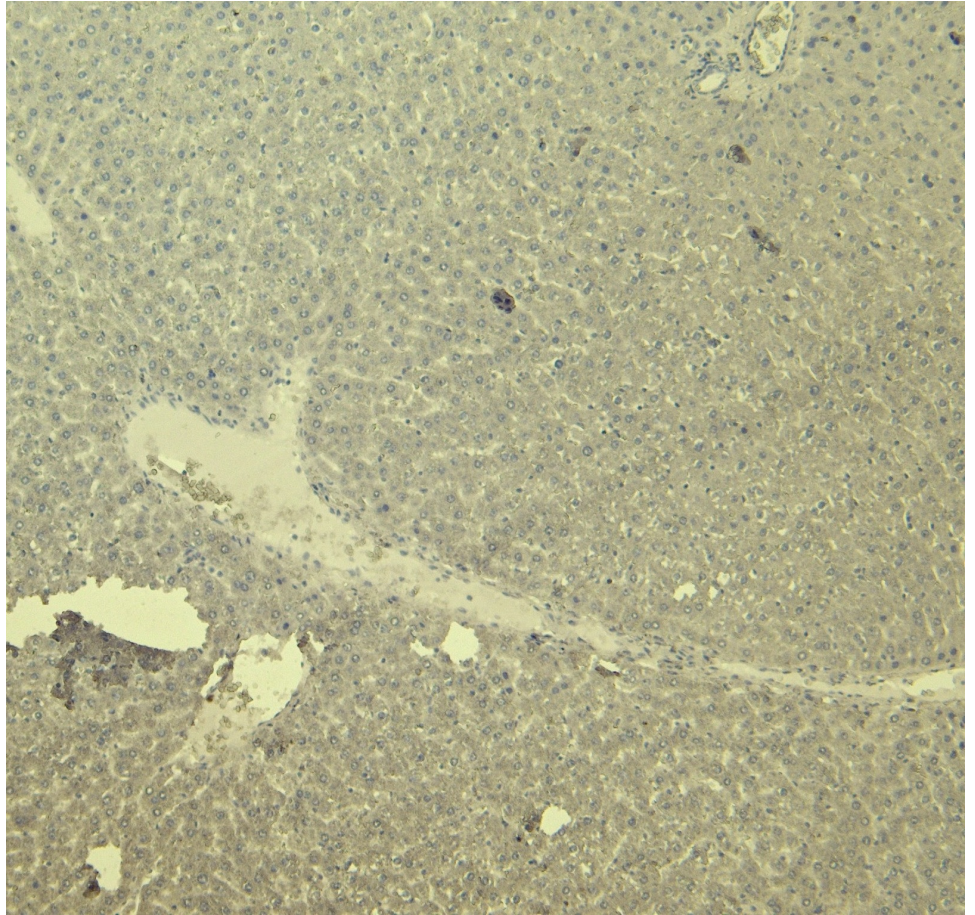
EB11760 Immunofluorescence analysis of paraformaldehyde fixed NIH3T3 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic/membrane staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized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



EB11760 Negative Control showing staining of paraffin embedded Rat Liver, with no primary antibody.