




Product datasheet

Anti-CTGF antibody - C-terminal ab238246

1 Image

Overview

Product name	Anti-CTGF antibody - C-terminal
Description	Goat polyclonal to CTGF - C-terminal
Host species	Goat
Tested applications	Suitable for: ICC/IF
Species reactivity	Reacts with: Mouse Predicted to work with: Rat, Cow, Human, Pig 
Immunogen	Synthetic peptide corresponding to Human CTGF aa 300 to the C-terminus (C terminal) (Cysteine residue). (NP_001892). Database link: P29279-1 <div>  Run BLAST with  Run BLAST with </div>
Positive control	ICC/IF: NIH/3T3 cells.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: Tris buffered saline, 0.5% BSA
Purity	Immunogen affinity purified
Purification notes	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Clonality	Polyclonal

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab238246 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		Use a concentration of 5 µg/ml.

Target

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.

Tissue specificity

Expressed in bone marrow and thymic cells. Also expressed one of two Wilms tumors tested.

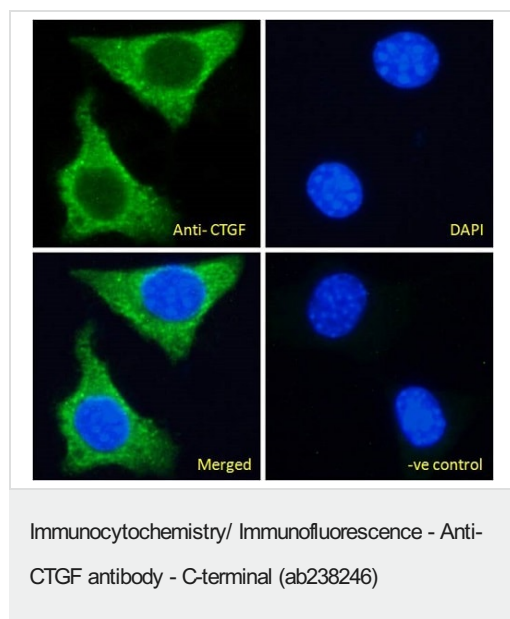
Sequence similarities

Belongs to the CCN family.
Contains 1 CTCK (C-terminal cystine knot-like) domain.
Contains 1 IGFBP N-terminal domain.
Contains 1 TSP type-1 domain.
Contains 1 VWFC domain.

Cellular localization

Secreted > extracellular space > extracellular matrix. Secreted.

Images



Immunofluorescent analysis of paraformaldehyde-fixed NIH/3T3 (mouse embryo fibroblast cell line) cells, permeabilized with 0.15% Triton, labeling CTGF with ab238246 at 5 µg/ml. Primary incubation time 1 hour followed by an Alexa-Fluor®488 secondary antibody (2 µg/ml). The nuclear stain is DAPI (blue).

Negative control: Non-immunized goat IgG (5 µg/ml) followed by an Alexa-Fluor®488 secondary antibody (2 µg/ml).

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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