

Datasheet for ABIN7427018  
**anti-CTGF antibody (AA 25-347)**

## 3 Images

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## Overview

Quantity:	100 µL
Target:	CTGF
Binding Specificity:	AA 25-347
Reactivity:	Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CTGF antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC)

## Product Details

Purpose:	Monoclonal Antibody to Connective Tissue Growth Factor (CTGF)
Immunogen:	Recombinant Connective Tissue Growth Factor (CTGF) corresponding to Gln25~Ala347 with N-terminal His Tag
Clone:	A7
Isotype:	IgG2b kappa
Specificity:	The antibody is a mouse monoclonal antibody raised against CTGF. It has been selected for its ability to recognize CTGF in immunohistochemical staining and western blotting.
Cross-Reactivity:	Human, Mouse
Purification:	Protein A + Protein G affinity chromatography

## Target Details

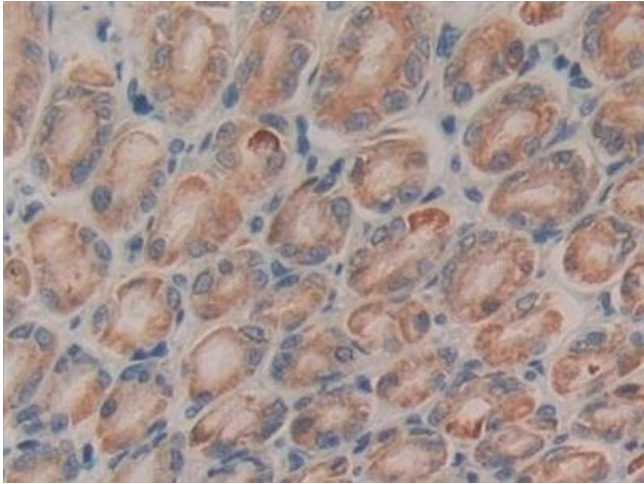
Target:	CTGF
Alternative Name:	Connective Tissue Growth Factor ( <a href="#">CTGF Products</a> )
Background:	CCN2, HCS24, IGFBP8, NOV2, Insulin-Like Growth Factor-Binding Protein 8, Hypertrophic Chondrocyte-Specific Protein 24, CCN Family Member 2
Pathways:	<a href="#">Regulation of Lipid Metabolism by PPARalpha</a> , <a href="#">Positive Regulation of Endopeptidase Activity</a> , <a href="#">Growth Factor Binding</a>

## Application Details

Application Notes:	Western blotting: 0.5-2 µg/mL 1:500-2000 Immunohistochemistry: 5-20 µg/mL 1:50-200 Immunocytochemistry: 5-20 µg/mL 1:50-200 Optimal working dilutions must be determined by end user.
Comment:	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Restrictions:	For Research Use only

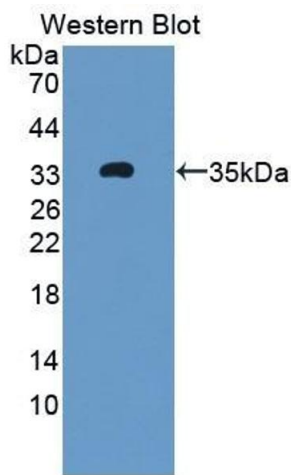
## Handling

Format:	Liquid
Buffer:	0.01M PBS, pH 7.4, containing 0.05 % Proclin-300, 50 % glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.
Expiry Date:	24 months



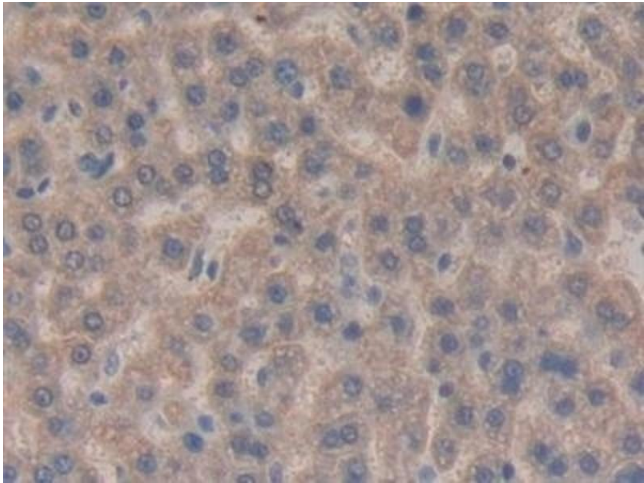
Immunohistochemistry

**Image 1.** Detection of CTGF in Rat Stomach Tissue using Monoclonal Antibody to Connective Tissue Growth Factor (CTGF)



Western Blotting

**Image 2.** Detection of Recombinant CTGF, Rat using Monoclonal Antibody to Connective Tissue Growth Factor (CTGF)



Immunohistochemistry

**Image 3.** Detection of CTGF in Rat Liver Tissue using Monoclonal Antibody to Connective Tissue Growth Factor (CTGF)