

CTGF Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Baboon, Bovine, Human, Mouse, Non-human primate, Rat
Published Species	Rat, Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Recombinant fragment corresponding to a region within amino acids 115 and 315 of Human CTGF
Form	Liquid
Concentration	0.94 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7, with 20% glycerol
Contains	0.025% Proclin 300
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2549666

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:10,000	2 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000	-
Immunocytochemistry (ICC/IF)	5 µg/mL	-
Miscellaneous PubMed (Misc)	-	1 Publication

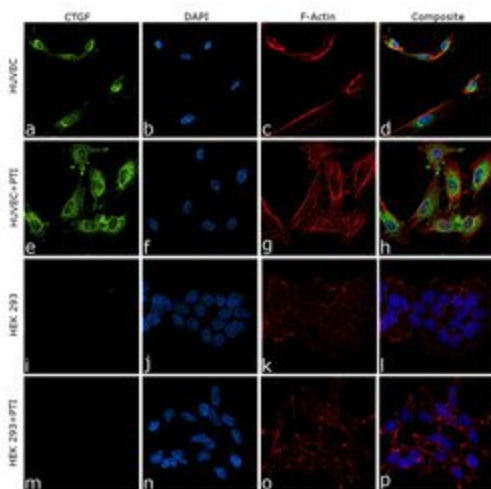
Product Specific Information

Recommended positive controls: A549, H1299, HCT116, HUVEC, Mouse heart, Rat bladder, CTGF-transfected 293T, HepG2, HepG2 conditioned medium.

Predicted reactivity: Mouse (93%), Rat (94%), Xenopus laevis (85%), Pig (95%), Chicken (94%), Sheep (96%), Chimpanzee (99%), Bovine (93%).

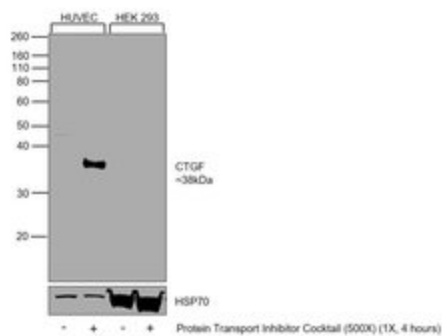
Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Advanced Verification Data



CTGF Antibody (PA5-32193)

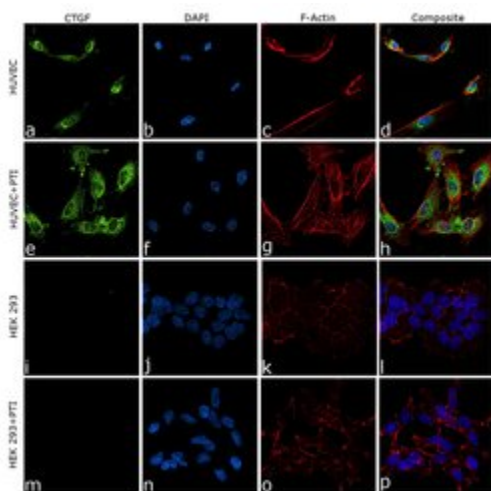
Antibody specificity was demonstrated by detection of differential basal expression of the target across cell models owing to their inherent genetic constitution. Immunofluorescence analysis using Anti-CTGF Polyclonal Antibody (Product # PA5-32193), shows expression in HUVEC upon PTI treatment, but not in HEK 293 upon PTI treatment. Relative expression validation info.



CTGF Antibody (PA5-32193)

Antibody specificity was demonstrated by detection of differential basal expression of the target across the tested cell lines owing to their inherent genetic constitution. Relative expression of Connective tissue growth factor was observed in HUVEC upon PTI treatment, but not in HEK 293 upon PTI treatment using Anti-CTGF Polyclonal Antibody (Product # PA5-32193) in Western Blot. Relative expression validation info.

Product Images For CTGF Polyclonal Antibody



CTGF Antibody (PA5-32193) in ICC/IF

Immunofluorescence analysis of CTGF was performed using 70% confluent log phase HUVEC cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 10 minutes, and blocked with 2% BSA for 10 minutes at room temperature. The cells were labeled with CTGF Polyclonal Antibody (Product # PA5-32193) at 5 µg/mL in 0.1% BSA, incubated at 4 degree celsius overnight and then labeled with Donkey anti-Rabbit IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 488 (Product # A32790), (1:2000 dilution), for 45 minutes at room temperature (Panel a: Green). Nuclei (Panel b:Blue) were stained with ProLong™ Diamond Antifade Mountant with DAPI (Product # P36962). F-actin (Panel c: Red) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing Cytoplasmic localization. Panel (a-d) shows representative HUVEC control cell, whereas Panel (e-h) represent HUVEC cells treated with Protein Transport Inhibitor Cocktail (500X), 1X, 4 hours. Similarly, panel (i-l) represent HEK 293 control cells and Panel (m-p) represent HEK 293 treated with Protein Transport Inhibitor Cocktail (500X), 1X, 4 hours. The images were captured at 60X magnification.

View more figures on thermofisher.com

3 References

Western Blot (2)

The Journal of international medical research

Role of the Hippo signaling pathway in safflower yellow pigment treatment of paraquat-induced pulmonary fibrosis.

"PA5-32193 was used in Western Blotting to elucidate the molecular mechanisms by which safflower yellow (SY) mediates therapeutic effects in rats with paraquat intoxication-induced pulmonary fibrosis."

Authors: Li H,Kan B,Song L,Liu Y,Jian X

Species
Rat

Dilution
1:1500

Year
2020

Cell death & disease

The mevalonate coordinates energy input and cell proliferation.

"PA5-32193 was used in Western Blotting to discover that the suppression of the mevalonate pathway inhibits the growth and proliferation of colon cancer cell lines."

Authors: Gong L,Xiao Y,Xia F,Wu P,Zhao T,Xie S,Wang R,Wen Q,Zhou W,Xu H,Zhu L,Zheng Z,Yang T,Chen Z,Duan Q

Species
Human

Dilution
Not Cited

Year
2019

Miscellaneous PubMed (1)

International journal of radiation oncology, biology, physics

Synergistic Effect of Simvastatin Plus Radiation in Gastric Cancer and Colorectal Cancer: Implications of BIRC5 and Connective Tissue Growth Factor.

"PA5-32193 was used in western blot to study the synergistic effect of simvastatin plus radiation therapy on the proliferation and survival of gastric and colorectal cancer"

Authors: Lim T, Lee I, Kim J, Kang WK

Species
Human

Dilution
1:1000

Year
2015

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