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CTHRC1 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP8778a

Product Information

Application	IHC-P, WB, FC, E
Primary Accession	Q96CG8
Reactivity	Human
Predicted	Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB23573
Calculated MW	26224
Antigen Region	19-46

Additional Information

Gene ID	115908
Other Names	Collagen triple helix repeat-containing protein 1, Protein NMTC1, CTHRC1
Target/Specificity	This CTHRC1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 19-46 amino acids from the N-terminal region of human CTHRC1.
Dilution	IHC-P~~1:100~500 WB~~1:1000 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	CTHRC1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CTHRC1
Function	May act as a negative regulator of collagen matrix deposition.
Cellular Location	Secreted, extracellular space, extracellular matrix

Tissue Location	Isoform 1 is expressed in calcified atherosclerotic plaque and chondrocyte-like cells.

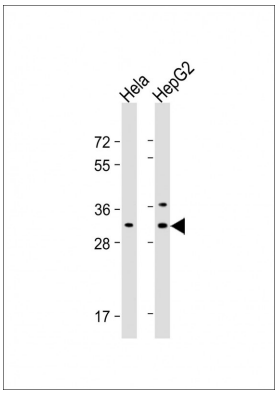
Background

CTHRC1 may act as a negative regulator of collagen matrix deposition (By similarity).

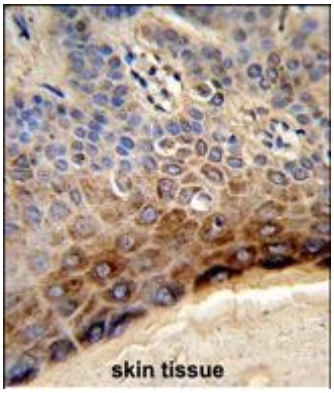
References

Clark,H.F., et.al., Genome Res. 13 (10), 2265-2270 (2003)

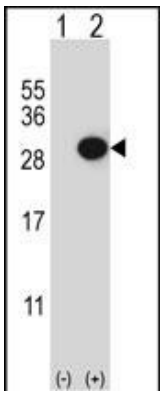
Images



All lanes : Anti-CTHRC1 Antibody (N-term) at 1:16000 dilution Lane 1: Hela whole cell lysate Lane 2: HepG2 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 26 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

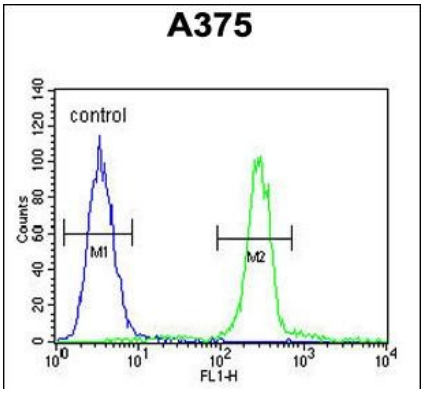


Formalin-fixed and paraffin-embedded human skin tissue reacted with CTHRC1 Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Western blot analysis of CTHRC1 (arrow) using rabbit polyclonal CTHRC1 Antibody (N-term) (Cat. #AP8778a). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the CTHRC1 gene.

CTHRC1 Antibody (N-term) (Cat. #AP8778a) flow cytometric analysis of A375 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Citations

- Collagen triple helix repeat containing-1 promotes pancreatic cancer progression by regulating migration and adhesion of tumor cells.
- Collagen triple helix repeat containing 1 promotes tumor angiogenesis in gastrointestinal stromal tumors.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.