

Rabbit anti-Rat CTHRC1 Polyclonal Antibody | anti-CTHRC1 antibody

Anti-CTHRC1 Antibody, Rabbit Polyclonal

CATALOG # AAA257342	HOST Rabbit	REACTIVITY Rat	APPLICATIONS Immunohistochemistry, ELISA
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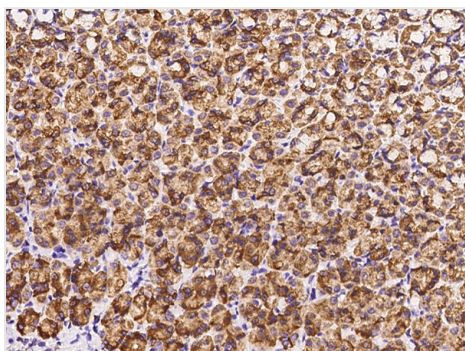
PRODUCT SYNONYMS

CTHRC1; Polyclonal Antibody; Anti-CTHRC1 Antibody; Rabbit Polyclonal; CTHRC1 Antibody; Rabbit PAb; Antigen Affinity Purified; collagen triple helix repeat containing 1; anti-CTHRC1 antibody

PRODUCT SPECIFICATIONS

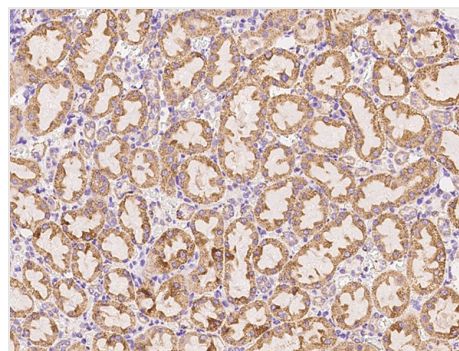
Host	Rabbit
Reactivity	Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Rat CTHRC1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-CTHRC1 antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Rat CTHRC1 Protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Rat CTHRC1 (rR CTHRC1). CTHRC1 specific IgG was purified by Rat CTHRC1 affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of rat CTHRC1 in rat stomach with rabbit polyclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of rat CTHRC1 in rat kidney with rabbit polyclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-CTHRC1 antibody	Collagen triple helix repeat-containing protein 1, also known as Protein NMTC1, and CTHRC1, is a secreted protein that is glycosylated and highly conserved from lower chordates to mammals. CTHRC1 expression was not detectable in normal arteries. However, it is transiently expressed in the arterial wall in response to injury where it may contribute to vascular remodeling by limiting collagen matrix deposition and promoting cell migration. A short collagen motif with 12 Gly-X-Y repeats appears to be responsible for trimerization of the CTHRC1 protein and this renders the molecule susceptible to cleavage by collagenase. CTHRC1 overexpression caused a dramatic reduction in collagen type I mRNA and protein levels. Currently available data indicate that Cthrc1 expression in vascular cells regulates transforming growth factor beta responsiveness, thereby impacting transforming growth factor beta target genes, including collagens. Additionally, CTHRC1 increases bone mass as a positive regulator of osteoblastic bone formation and offers an anabolic approach for the treatment of osteoporosis.
References	Pyagay P, et al. (2005) Collagen triple helix repeat containing 1, a novel secreted protein in injured and diseased arteries, inhibits collagen expression and promotes cell migration. Circ Res. 96(2): 261-8.Durmus T, et al. (2006) Expression analysis of the novel gene collagen triple helix repeat containing-1 (Cthrc1). Gene Expr Patterns. 6(8): 935-40.LeClair R, et al. (2007) The role of collagen triple helix repeat containing 1 in injured arteries, collagen expression, and transforming growth factor beta signaling. Trends Cardiovasc Med. 17(6): 202-5.Kimura H, et al. (2008) Cthrc1 is a positive regulator of osteoblastic bone formation. PLoS One. 3(9): e3174.

NCBI AND UNIPROT INFORMATION

NCBI GI #	404351660
NCBI GeneID	282836
NCBI Accession #	NP_001258229.1
NCBI GenBank Nucleotide #	NM_001271300.1
Molecular Weight	26,424 Da
NCBI Official Full Name	collagen triple helix repeat-containing protein 1 isoform 2
NCBI Official Synonym Full Names	collagen triple helix repeat containing 1
NCBI Official Symbol	Cthrc1
NCBI Protein Information	collagen triple helix repeat-containing protein 1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cthrc1-antibody-immunohistochemistry-elisa/257342>