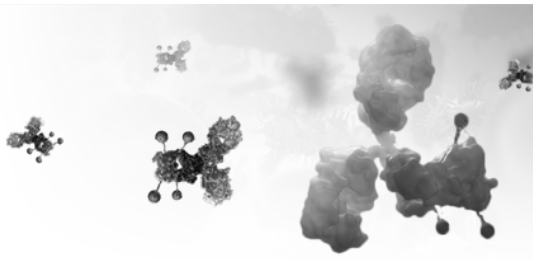

Rabbit Anti-Human CTHRC1 monoclonal antibody, clone S166 (CABT-ZB463)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	It reacts with Human CTHRC1
Target	CTHRC1
Immunogen	Recombinant Human CTHRC1 Protein
Isotype	IgG2a
Source/Host	Rabbit
Species Reactivity	Human
Clone	S166
Purification	Protein A purified
Conjugate	Unconjugated
Applications	ELISA(cap) This antibody will detect CTHRC1 in antibody pair set. [ABPR-ZB037]
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Human CTHRC1.
Format	Purified, Liquid
Concentration	Lot specific
Size	50 µL, 100 µL, 1 mL
Buffer	PBS

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Preservative	None
Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Ship	Wet ice

BACKGROUND

Introduction	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.
Keywords	CTHRC1; collagen triple helix repeat containing 1; collagen triple helix repeat-containing protein 1

GENE INFORMATION

Synonyms	CTHRC1; collagen triple helix repeat containing 1; collagen triple helix repeat-containing protein 1
Entrez Gene ID	115908
UniProt ID	Q96CG8

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