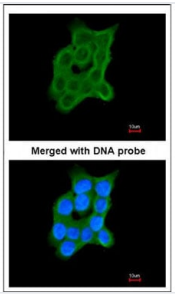
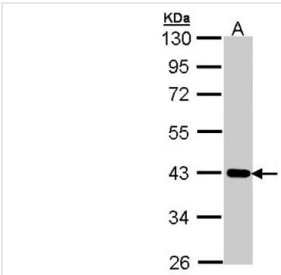
Cartilage Associated (CRTAP) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Cartilage associated (CRTAP), Polyclonal Antibody
Full Product Name	Cartilage associated protein antibody
Product Gene Name	anti-CRTAP antibody
Product Synonym Names	Polyclonal Cartilage associated protein; Anti-Cartilage associated protein; leprecan-like 3; CRTAP; cartilage associated protein; CASP; cartilage-associated protein; LEPREL3
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Form/Format	Supplied as a concentrated soloution containing 0.1M Tris, 0.1M Glycine, 10% Glycerol (pH 7.0). 0.01% Thimerosal was added as a preservative.
Purity/Purification	Cartilage associated protein antibody was purified by antigen-affinity chromatography
Concentration	0.79 mg/ml (lot specific)
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.
Molecular Weight	47 kDa
OMIM	605497
3D Structure	ModBase 3D Structure for O75718
Cross-Reactivity	Human
Product Categories/Family for anti-CRTAP antibody	Cell Biology; Purified Polyclonal Antibodies
Applications Tested/Suitable for anti-CRTAP antibody	Immunofluorescence (IF), Immunocytochemistry (ICC), Western Blot (WB)
Application Notes for anti-CRTAP antibody	IF:1:100-1:200 WB: 1:500-1:3000
Related Product Information for anti-CRTAP antibody	MBS837542 is an antibody targeting CRTAP. Also known as Cartilage associated protein antibody. Host: Rabbit. Affinity purified Rabbit polyclonal Cartilage associated protein antibody
Other Notes	Small volumes of anti-CRTAP antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Immunofluorescence (IF) of anti-CRTAP antibody
Immunofluorescence analysis of paraformaldehyde-fixed A431, using Cartilage-associated protein antibody at 1:200 dilution.



Western Blot (WB) of anti-CRTAP antibody
Western blot analysis of 30 ug of whole cell lysate (A: A431) using a 10 % SDS PAGE gel and Cartilage associated protein antibody at a dilution of 1:1000

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CRTAP. It may not necessarily be applicable to this product.

NCBI GI #	119584854
NCBI GeneID	10491
NCBI Accession #	EAW64450.1
UniProt Primary Accession #	O75718
UniProt Secondary Accession #	B2RBL6
UniProt Related Accession #	O75718
NCBI Official Full Name	cartilage associated protein, isoform CRA_b
NCBI Official Synonym Full Names	cartilage associated protein
NCBI Official Symbol	CRTAP
NCBI Official Synonym Symbols	OI7; CASP; P3H5; LEPREL3
UniProt Protein Name	Cartilage-associated protein
Protein Family	Cartilage-associated protein
UniProt Gene Name	CRTAP
UniProt Synonym Gene Names	CASP
UniProt Entry Name	CRTAP_HUMAN
NCBI Protein Information	cartilage-associated protein
NCBI Summary for CRTAP	The protein encoded by this gene is similar to the chicken and mouse CRTAP genes. The encoded protein is a scaffolding protein that may influence the activity of at least one member of the cytohesin/ARNO family in response to specific cellular stimuli. Defects in this gene are associated with osteogenesis imperfecta, a connective tissue disorder characterized by bone fragility and low bone mass. [provided by RefSeq, Jul 2008]

UniProt Comments for CRTAP	CRTAP: Necessary for efficient 3-hydroxylation of fibrillar collagen prolyl residues. Defects in CRTAP are the cause of osteogenesis imperfecta type 7 (OI7). A connective tissue disorder characterized by short stature, short humeri and femora, coxa vara, white sclera, and the absence of dentinogenesis imperfecta. Multiple fractures are present at birth, and patients manifest moderate-severe bone fragility. Death may occurr in the perinatal period due to secondary respiratory insufficiency. Belongs to the leprecan family. Protein type: Extracellular matrix; Secreted; Secreted, signal peptide Chromosomal Location of Human Ortholog: 3p22.3 Cellular Component: proteinaceous extracellular matrix; extracellular space; endoplasmic reticulum lumen; endoplasmic reticulum Molecular Function: protein complex binding Biological Process: extracellular matrix organization and biogenesis; protein stabilization; spermatogenesis; peptidyl-proline hydroxylation to 3-hydroxy-L-proline Disease: Osteogenesis Imperfecta, Type Vii
Research Articles on CRTAP	**1.** An additional function of the rough endoplasmic reticulum protein complex prolyl 3-hydroxylase 1.cartilage-associated protein.cyclophilin B: the CXXXC motif reveals disulfide isomerase activity in vitro.
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Online datasheet: https://www.mybiosource.com/polyclonal-antibody/cartilage-associated/837542