

**CRTAP Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AW5097**

**Specification**

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**CRTAP Antibody (N-term) - Product Information**

Application	IF, WB,E
Primary Accession	<a href="#">O75718</a>
Other Accession	<a href="#">NP_006362.1</a>
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	H=47;M=46 KDa
Isotype	Rabbit IgG
Antigen Source	HUMAN

**CRTAP Antibody (N-term) - Additional Information**

**Gene ID** 10491

**Antigen Region**  
31-59

**Other Names**  
CRTAP; CASP; Cartilage-associated protein

**Dilution**  
IF~~1:25  
WB~~1:1000

**Target/Specificity**  
This CRTAP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 31-59 amino acids from the N-terminal region of human CRTAP.

**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**  
CRTAP Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**CRTAP Antibody (N-term) - Protein Information**

**Name** CRTAP

**Synonyms** CASP

**Function**

Necessary for efficient 3-hydroxylation of fibrillar collagen prolyl residues.

**Cellular Location**

Secreted, extracellular space, extracellular matrix

**Tissue Location**

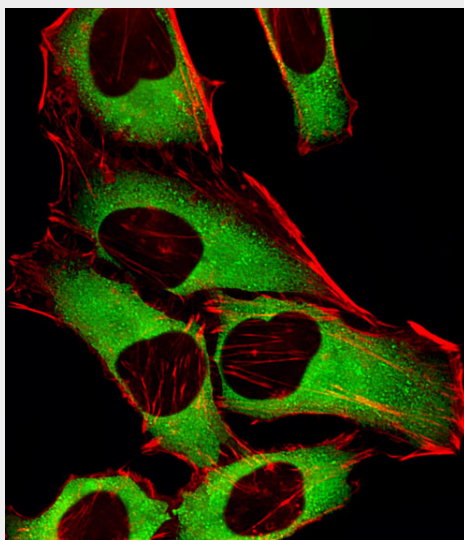
Found in articular chondrocytes. Expressed in a variety of tissues

**CRTAP Antibody (N-term) - Protocols**

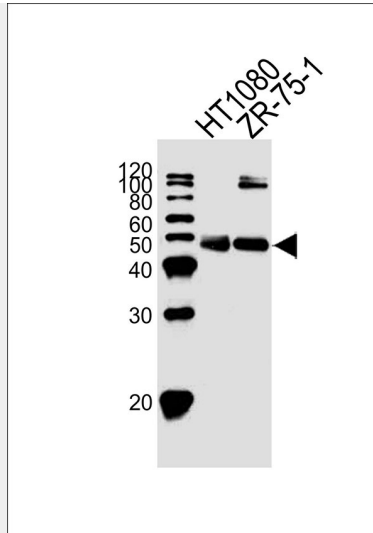
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**CRTAP Antibody (N-term) - Images**



Fluorescent image of HeLa cells stained with CRTAP Antibody (N-term)(Cat#AW5097). AW5097 was diluted at 1:25 dilution. An Alexa Fluor 488-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody (green). Cytoplasmic actin was counterstained with Alexa Fluor® 555 conjugated with Phalloidin (red).



Western blot analysis of lysates from HT1080,ZR-75-1 cell line (from left to right), using CRTAP Antibody (N-term)(Cat. #AW5097). AW5097 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody.

#### **CRTAP Antibody (N-term) - Background**

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.

#### **CRTAP Antibody (N-term) - References**

- Morello, R., et al. *Curr Osteoporos Rep* 8(2):77-83(2010)
- Li, G.H., et al. *Osteoporos Int* 21(6):1009-1020(2010)
- Fratzl-Zelman, N., et al. *Bone* 46(3):820-826(2010)
- Chang, W., et al. *Hum. Mol. Genet.* 19(2):223-234(2010)
- Marini, J.C., et al. *Cell Tissue Res.* 339(1):59-70(2010)