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CRTAP Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AW5097

Specification

CRTAP Antibody (N-term) - Product Information

Application	**IF, WB,E**
Primary Accession	O75718
Other Accession	NP_006362.1
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

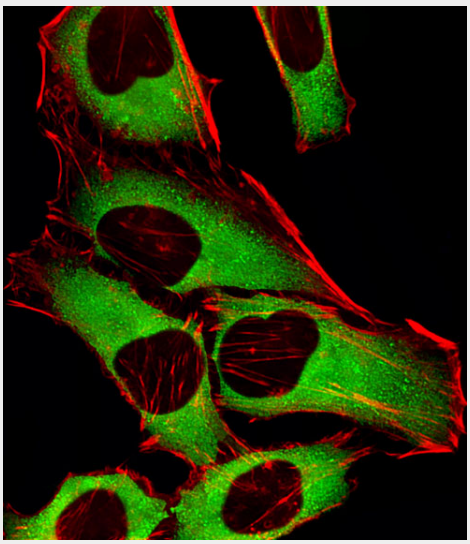
Tissue Location
Found in articular chondrocytes. Expressed in a variety of tissues

CRTAP Antibody (N-term) - Protocols

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

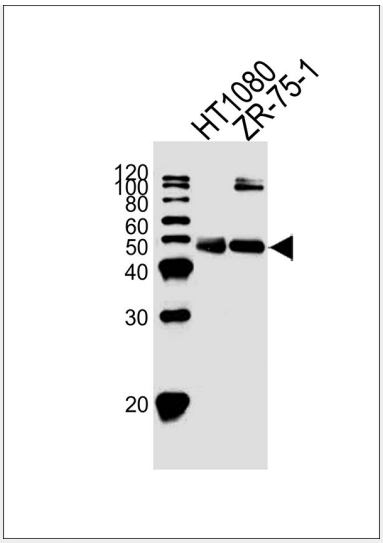
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

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 lgG at 1:400 dilution was used as the secondary antibody (green). Cytoplasmic actin was counterstained with Alexa Fluor® 555 conjugated with Phalloidin (red).

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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)