

CRTAP Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AW5097

Product Information

Application IF, WB **Primary Accession** 075718 Other Accession NP 006362.1 Reactivity Human **Predicted** Mouse Host Rabbit Clonality Polyclonal **Calculated MW** 46562 Isotype Rabbit IgG **HUMAN Antigen Source**

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.

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

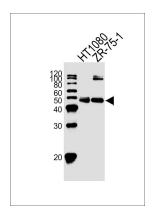
Background

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.

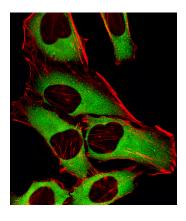
References

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)

Images



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.



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).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.