BOSTER BIOLOGICAL TECHNOLOGY
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Anti-UCMA Antibody

Catalog Number: A12617

About UCMA

UCMA is a secreted cartilage-specific protein that was discovered in a screen for differentially expressed genes in retinoic acid-treated mouse chondrocytes. It was also identified in a human chondrocyte EST screen for candidate genes of skeletal dysplasias. UCMA expression is thought to parallel that of collagen II with its expression decreasing with maturation chrondrocytes mature. UCMA is processed by a furin-like protease into two fragments, an amino-terminal fragment and a carboxy-terminal fragment (UCMA-C). Application of recombinant UCMA-C to primary osteoblasts, mesenchymal stem cells, and MC3T3-E1 pre-osteoblasts interferes with their osteogenic differentiation, but does not affect expression of chondrocyte-specific genes or chondrocyte proliferation, suggesting that UCMA may be involved in the negative control of osteogenic differentiation of osteochondrogenic precursor cells. At least two isoforms of UCMA are known to exist.

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Overview

Product Name	Anti-UCMA Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-UCMA Antibody (Catalog # A12617). Tested in ELISA, WB applications. This antibody reacts with Human, Mouse.
Application	ELISA, WB
Clonality	Polyclonal
Formulation	UCMA Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	UCMA antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q8WVF2

Technical Details

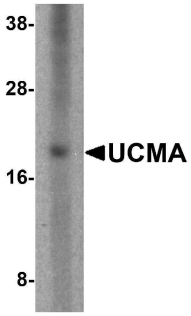
Immunogen	UCMA antibody was raised against a 16 amino acid synthetic peptide near the carboxy terminus of human UCMA. The immunogen is located within the last 50 amino acids of UCMA.

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Predicted Reactive Species	Rat
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	UCMA Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	UCMA antibody can be used for detection of UCMA by Western blot at 2.5 - 5 ug/mL. Antibody validated: Western Blot in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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Anti-UCMA Antibody (A12617) Images



Western blot analysis of UCMA in SW1353 cell lysate with UCMA antibody at 2.5 ug/mL.

Anti-UCMA Antibody

For Research Use Only. Not for use in diagnostic procedures.