

## Datasheet for ABIN6991131 **anti-UCMA antibody (C-Term)**



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### Overview

Quantity:	0.1 mg
Target:	UCMA
Binding Specificity:	C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This UCMA antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

### Product 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.
Isotype:	IgG
Purification:	UCMA Antibody is affinity chromatography purified via peptide column.

### Target Details

Target:	UCMA
Alternative Name:	UCMA ( <a href="#">UCMA Products</a> )
Background:	UCMA Antibody: 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.

## Target Details

UCMA expression is thought to parallel that of collagen II with its expression decreasing with maturation chondrocytes 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.

Molecular Weight: Predicted: 15 kDa  
Observed: 19 kDa

Gene ID: 221044

NCBI Accession: [NP\\_660357](#)

UniProt: [Q8WVF2](#)

## Application Details

Application Notes: UCMA antibody can be used for detection of UCMA by Western blot at 2.5 - 5 µg/mL.  
  
Antibody validated: Western Blot in human samples. All other applications and species not yet tested.

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: UCMA Antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, 4 °C

Storage Comment: UCMA antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As

with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.