

UCMA Antibody

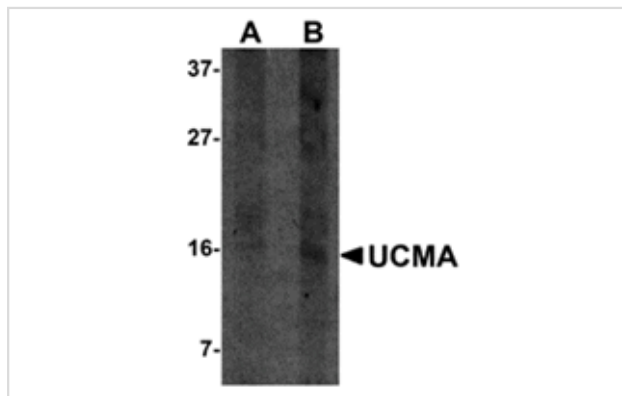
Catalog No: #24908

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	UCMA Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	E WB
Species Reactivity	Hu Ms
Immunogen Type	Peptide
Immunogen Description	Raised against a 16 amino acid peptide near the carboxy terminus of human UCMA.
Target Name	UCMA
Other Names	Upper zone of growth plate and cartilage matrix associated
Accession No.	NP_660357
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for 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.

Images



Western blot analysis of UCMA in SW1353 cell lysate with UCMA antibody at (A) 2.5 and (B) 5 ug/mL.

Background

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 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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.