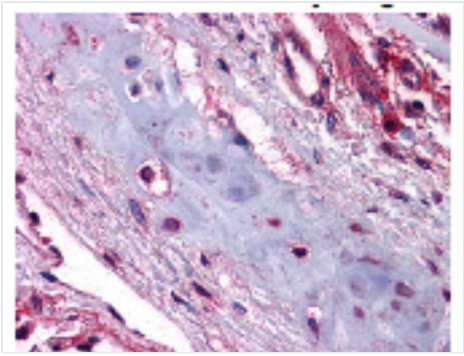
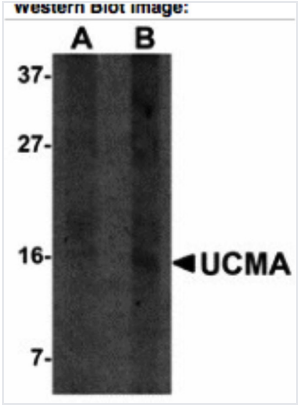
UCMA Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	UCMA, Polyclonal Antibody
Full Product Name	UCMA, CT (Unique Cartilage Matrix-associated Protein, C10orf49)
Product Gene Name	anti-UCMA antibody
Product Synonym Names	Anti -UCMA, CT (Unique Cartilage Matrix-associated Protein, C10orf49)
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, 0.02% sodium azide.
Purity/Purification	Affinity Purified Purified by immunoaffinity chromatography.
Specificity	Recognizes human UCMA. Species sequence homology: Mouse
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for at least 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	16,563 Da
Chromosome Location	Chromosome: 10; NC_000010.10 (13263771..13276331, complement). Location: 10p13
3D Structure	ModBase 3D Structure for Q8WVF2
Immunogen	Synthetic peptide corresponding to human UCMA at C-terminal conjugated to KLH.
Product Categories/Family for anti-UCMA antibody	Antibodies; Abs to Proteins
Applications Tested/Suitable for anti-UCMA antibody	ELISA (EL/EIA), Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-UCMA antibody	Suitable for use in ELISA, Western Blot and Immunohistochemistry. Dilution: Western Blot: 2.5-5ug/ml Immunohistochemistry (Formalin fixed paraffin embedded): 5ug/ml
Related Product Information for anti-UCMA antibody	May be involved in the negative control of osteogenic differentiation of osteochondrogenic precursor cells in peripheral zones of fetal cartilage and at the cartilage-bone interface.
Other Notes	Small volumes of anti-UCMA antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for UCMA purchase	MBS6005027 is an antibody targeting UCMA. Also known as UCMA, CT (Unique Cartilage Matrix-associated Protein, C10orf49). Reactive in Human. Host: Rabbit.



Immunohistochemistry (IHC) of anti-UCMA antibody
Human Lung, Chondrocytes: Formalin-Fixed, Paraffin- Embedded (FFPE)



Western Blot (WB) of anti-UCMA antibody
Western blot analysis of UCMA in SW1353 cell lysate with UCMA antibody at (A) 2.5 and (B) 5ug/ml.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for UCMA. It may not necessarily be applicable to this product.

NCBI GI #	50400088
NCBI GeneID	221044
NCBI Accession #	NP_660357.2
UniProt Primary Accession #	Q8WVF2
UniProt Related Accession #	Q8WVF2
GenBank Nucleotide #	NM_145314.1
NCBI Official Full Name	unique cartilage matrix-associated protein
NCBI Official Synonym Full Names	upper zone of growth plate and cartilage matrix associated
NCBI Official Symbol	UCMA
NCBI Official Synonym Symbols	GRP; C10orf49
UniProt Protein Name	Unique cartilage matrix-associated protein
UniProt Synonym Protein Names	Gla-rich protein
Protein Family	Unique cartilage matrix-associated protein
UniProt Gene Name	UCMA
UniProt Synonym Gene Names	C10orf49; Ucma-C; GRP
UniProt Entry Name	UCMA_HUMAN
NCBI Protein Information	unique cartilage matrix-associated protein; Gla-rich protein
NCBI Summary for UCMA	This gene encodes a chondrocyte-specific, highly charged protein that is abundantly expressed in the upper immature zone of fetal and juvenile epiphyseal cartilage. The encoded protein undergoes proteolytic processing to generate a mature protein that is secreted into the extracellular matrix. The glutamic acid residues in the encoded protein undergo gamma carboxylation in a vitamin K-dependent manner. Undercarboxylation of the encoded protein is associated with osteoarthritis in humans. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2015]

UniProt Comments for UCMA	UCMA: May be involved in the negative control of osteogenic differentiation of osteochondrogenic precursor cells in peripheral zones of fetal cartilage and at the cartilage-bone interface. Belongs to the UCMA family. Protein type: Secreted; Secreted, signal peptide Chromosomal Location of Human Ortholog: 10p13 Cellular Component: extracellular space; proteinaceous extracellular matrix; perinuclear region of cytoplasm Biological Process: negative regulation of osteoblast differentiation
Research Articles on UCMA	**1.** Gla-rich protein (GRP) is a new vitamin K-dependent protein that can bind calcium through Gla residues.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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