Cathepsin V (CTSV) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Cathepsin V (CTSV), Polyclonal Antibody
Full Product Name	HRP-Linked Polyclonal Antibody to Cathepsin V (CTSV)
Product Gene Name	anti-CTSV antibody
Product Synonym Names	CTS-L2; CTSL2; CATL2; CTSU; CTS-V; Cathepsin L2
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Concentration	500ug/ml (lot specific)
Matching Pairs	Unconjugated Antibody: CTSV (MBS2006015) HRP Conjugated Antibody: CTSV (MBS2069229)
Matching Pairs	HRP Conjugated Antibody: CTSV (MBS2069229) Immunogen: CTSV (MBS2010266)
Molecular Weight	37,329 Da
OMIM	Y14734 mRNA
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Immunogen	CTSV (Gly64~Val334)
Conjugation	HRP
Cross Reactivity	Human
Unconjugated Antibody	The unconjugated antibody version of this item is also available as catalog #MBS2006015
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-CTSV antibody	Western Blot (WB), Immunocytochemistry (ICC), Immunohistochemistry (IHC) Formalin/Paraffin, ELISA (ELISA)
Related Product Information for anti-CTSV antibody	MBS2069229 is an antibody targeting CTSV. Also known as HRP-Linked Polyclonal Antibody to Cathepsin V (CTSV). Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-CTSV 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.

ADDITIONAL DETAILS

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

NCBI GI #	3107915
NCBI GeneID	1515
NCBI Accession #	BAA25909.1
UniProt Secondary Accession #	O60233; Q2TB86; Q5T1U0

UniProt Related Accession #	O60911
NCBI Official Full Name	cathepsin V
NCBI Official Synonym Full Names	cathepsin V
NCBI Official Symbol	CTSV
NCBI Official Synonym Symbols	CTSU; CATL2; CTSL2
UniProt Protein Name	Cathepsin L2
UniProt Synonym Protein Names	Cathepsin U; Cathepsin V
UniProt Gene Name	CTSV
UniProt Synonym Gene Names	CATL2; CTSL2; CTSU
NCBI Protein Information	cathepsin L2
NCBI Summary for CTSV	The protein encoded by this gene, a member of the peptidase C1 family, is a lysosomal cysteine proteinase that may play an important role in corneal physiology. This gene is expressed in colorectal and breast carcinomas but not in normal colon, mammary gland, or peritumoral tissues, suggesting a possible role for this gene in tumor processes. Alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Jan 2011]
UniProt Comments for CTSV	CTSL2: Cysteine protease. May have an important role in corneal physiology. Belongs to the peptidase C1 family. Protein type: EC 3.4.22.15; Protease; Secreted; Secreted, signal peptide Chromosomal Location of Human Ortholog: 9q22.33 Cellular Component: extracellular region; extracellular space; lysosomal lumen; lysosome Molecular Function: cysteine-type endopeptidase activity; cysteine-type peptidase activity; protein binding; serine-type endopeptidase activity Biological Process: antigen processing and presentation of exogenous peptide antigen via MHC class II; extracellular matrix disassembly; proteolysis involved in cellular protein catabolic process
Research Articles on CTSV	**1.** Expression of cathepsins K, S and V within keratinocytes is reduced in photoprotected skin of aged women.
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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