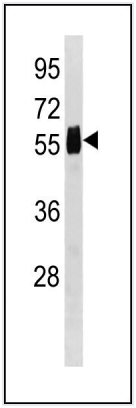
CPVL Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CPVL, Polyclonal Antibody
Full Product Name	CPVL Antibody (C-term)
Product Gene Name	anti-CPVL antibody
Product Synonym Names	Probable serine carboxypeptidase CPVL; 3416-; Carboxypeptidase; vitellogenic-like; Vitellogenic carboxypeptidase-like protein; VCP-like protein; hVLP; CPVL; VLP
Clonality	Polyclonal
Isotype	Rabbit Ig
Host	Rabbit
Species Reactivity	Human
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Concentration	Vial Concentration: 0.5 (lot specific)
Specificity	This CPVL antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 448-476 amino acids from the C-terminal region of human CPVL.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	CPVL peptide (MBS9228993) is used for blocking the activity of CPVL antibody (MBS9206262)
Molecular Weight	54164
Immunogen Sequence Positions	448-476
OMIM	609780
3D Structure	ModBase 3D Structure for Q9H3G5
Antigen Type	Synthetic Peptide
Product Categories/Family for anti-CPVL antibody	Cell Biology
Applications Tested/Suitable for anti-CPVL antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-CPVL antibody	WB~~1:1000
Related Product Information for anti-CPVL antibody	May be involved in the digestion of phagocytosed particles in the lysosome, participation in an inflammatory protease cascade, and trimming of peptides for antigen presentation.
Other Notes	Small volumes of anti-CPVL 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 CPVL purchase	MBS9206262 is an antibody targeting CPVL. Also known as CPVL Antibody (C-term). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-CPVL antibody
CPVL Antibody (C-term) western blot analysis in 293 cell line lysates (35ug/lane).This demonstrates the CPVL antibody detected the CPVL protein (arrow).

ADDITIONAL DETAILS

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

NCBI GI #	83641876
NCBI GeneID	54504
NCBI Accession #	NP_061902.2
NCBI Related Accession #	NP_112601.3
UniProt Primary Accession #	Q9H3G5
UniProt Secondary Accession #	Q6UX20; Q8NBL7; Q96AR7; Q9HB41; A4D1A4
UniProt Related Accession #	Q9H3G5
GenBank Nucleotide #	NM_019029.2
NCBI Official Full Name	probable serine carboxypeptidase CPVL
NCBI Official Synonym Full Names	carboxypeptidase, vitellogenic-like
NCBI Official Symbol	CPVL
NCBI Official Synonym Symbols	HVLP
UniProt Protein Name	Probable serine carboxypeptidase CPVL
UniProt Synonym Protein Names	Carboxypeptidase, vitellogenic-like; Vitellogenic carboxypeptidase-like protein; VCP-like protein; hVLP
Protein Family	Probable serine carboxypeptidase
UniProt Gene Name	CPVL
UniProt Synonym Gene Names	VLP; VCP-like protein; hVLP
UniProt Entry Name	CPVL_HUMAN
NCBI Protein Information	probable serine carboxypeptidase CPVL
NCBI Summary for CPVL	The protein encoded by this gene is a carboxypeptidase and bears strong sequence similarity to serine carboxypeptidases. Carboxypeptidases are a large class of proteases that act to cleave a single amino acid from the carboxy termini of proteins or peptides. The exact function of this protein, however, has not been determined. At least two alternatively spliced transcripts which encode the same protein have been observed. [provided by RefSeq, Jul 2008]

UniProt Comments for CPVL	CPVL: May be involved in the digestion of phagocytosed particles in the lysosome, participation in an inflammatory protease cascade, and trimming of peptides for antigen presentation. Belongs to the peptidase S10 family. Protein type: Protease; Secreted; Secreted, signal peptide; EC 3.4.16.- Chromosomal Location of Human Ortholog: 7p15.1 Molecular Function: serine carboxypeptidase activity Biological Process: proteolysis
Research Articles on CPVL	**1.** genetic association studies in a Chinese population with type 2 diabetes: An SNP in CPVL (rs39059) is associated with diabetic retinopathy in a Chinese population of type 2 diabetic patients.
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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