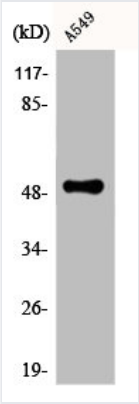
CPM Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CPM, Polyclonal Antibody
Full Product Name	CPM Antibody
Product Gene Name	anti-CPM antibody
Product Synonym Names	CPM; Carboxypeptidase M; CPM
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid; In Phosphate Buffered Saline, 50% Glycerol, 0.5% BSA and 0.02% Sodium Azide.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Molecular Weight	50,514 Da
Chromosome Location	Chromosome: 12; NC_000012.11 (69244955..69357020, complement). Location: 12q14.3
OMIM	114860
3D Structure	ModBase 3D Structure for P14384
Immunogen	Synthesized peptide derived from the Internal region of human CPM.
Immunogen Species	Human
Conjugate	Non-conjugated
Product Categories/Family for anti-CPM antibody	Immunology
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CPM antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-CPM antibody	WB: 1:500-1:2000 ELISA: 1:40000
Related Product Information for anti-CPM antibody	MBS7116166 is an antibody targeting CPM. Also known as CPM Antibody. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-CPM 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.



Western Blot (WB) of anti-CPM antibody
Western Blot analysis of A549 cells using CPM Polyclonal Antibody

ADDITIONAL DETAILS

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

NCBI GI #	53832021
NCBI GeneID	1368
NCBI Accession #	NP_001005502.1
UniProt Primary Accession #	P14384
UniProt Secondary Accession #	Q9H2K9; B2R800
UniProt Related Accession #	P14384
GenBank Nucleotide #	NM_001005502.2
NCBI Official Full Name	carboxypeptidase M
NCBI Official Synonym Full Names	carboxypeptidase M
NCBI Official Symbol	CPM
UniProt Protein Name	Carboxypeptidase M
Protein Family	Carboxypeptidase
UniProt Gene Name	CPM
UniProt Synonym Gene Names	CPM
UniProt Entry Name	CBPM_HUMAN
NCBI Protein Information	carboxypeptidase M; renal carboxypeptidase; urinary carboxypeptidase B
NCBI Summary for CPM	The protein encoded by this gene is a membrane-bound arginine/lysine carboxypeptidase. Its expression is associated with monocyte to macrophage differentiation. This encoded protein contains hydrophobic regions at the amino and carboxy termini and has 6 potential asparagine-linked glycosylation sites. The active site residues of carboxypeptidases A and B are conserved in this protein. Three alternatively spliced transcript variants encoding the same protein have been described for this gene. [provided by RefSeq, Jul 2008]

UniProt Comments for CPM	CPM: Specifically removes C-terminal basic residues (Arg or Lys) from peptides and proteins. It is believed to play important roles in the control of peptide hormone and growth factor activity at the cell surface, and in the membrane-localized degradation of extracellular proteins. Belongs to the peptidase M14 family. Protein type: Protease; Membrane protein, GPI anchor; EC 3.4.17.12 Chromosomal Location of Human Ortholog: 12q14.3 Cellular Component: cell surface; plasma membrane Molecular Function: zinc ion binding; carboxypeptidase activity; metallocarboxypeptidase activity Biological Process: anatomical structure morphogenesis; proteolysis
Research Articles on CPM	**1.** Carboxypeptidase M expression is lost in human renal cell carcinoma tumor cells, whereas it is abundant in tumor-associated foam cells and neovasculature.
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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