

Anti-CPM Picoband Antibody

Catalog # ABO10202

Product Information

Application	WB
Primary Accession	P14384
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Carboxypeptidase M(CPM) detection. Tested with WB in Human.

Reconstitution Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	1368
Other Names	Carboxypeptidase M, CPM, 3.4.17.12, CPM
Calculated MW	50514
Application Details	Western blot, 0.1-0.5 µg/ml, Human
Subcellular Localization	Cell membrane ; Lipid-anchor, GPI-anchor .
Source	Eukaryota
Protein Name	Carboxypeptidase M
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human CPM (286-316aa KYPREEKLPSFWNNKASLIEYIKQVHLGVK), different from the related mouse sequence by two amino acids.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins.
Storage	At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Protein Information

Name	CPM
Function	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.
Cellular Location	Cell membrane; Lipid-anchor, GPI-anchor

Background

CPM, mapped to 12q15, is known as Carboxypeptidase M. 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.

Images



Western blot analysis of CPM expression in HEPG2 whole cell lysates (lane 1). CPM at 65KD was detected using rabbit anti- CPM Antigen Affinity purified polyclonal antibody (Catalog # ABO10202) at 0.5 μ g/mL. The blot was developed using chemiluminescence (ECL) method .

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.