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Datasheet for ABIN2856275 anti-CPM antibody

2 Images



## Overview

Quantity:	100 µL
Target:	CPM
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CPM antibody is un-conjugated
Application:	Western Blotting (WB)
Product Details	
Immunogen:	Recombinant protein encompassing a sequence within the center region of human
	Carboxypeptidase M. The exact sequence is proprietary.
lsotype:	lgG
Cross-Reactivity:	Human, Rat
Characteristics:	Rabbit polyclonal antibody to Carboxypeptidase M (carboxypeptidase M)
	Carboxypeptidase M antibody [N1C2]
Purification:	Purified by antigen-affinity chromatography.
Target Details	
Target:	CPM
Alternative Name:	carboxypeptidase M (CPM Products)

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# Target Details

Background: 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 asparaginelinked 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.

#### Cellular Localization: Cell membrane , GPI-anchor

Molecular Weight:	51 kDa
Gene ID:	1368
UniProt:	P14384

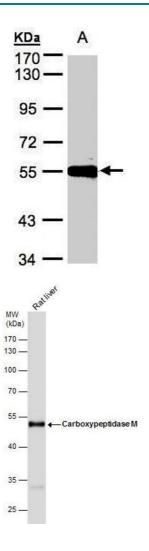
## Application Details

Application Notes:	WB: 1:500-1:3000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: HepG2 , rat liver
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	0.1M Tris-Glycine ( pH 7), 10 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

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### Western Blotting

**Image 1.** WB Image Sample(30 ug whole cell lysate) A:Hep G2 , 7.5% SDS PAGE antibody diluted at 1:500

#### Western Blotting

**Image 2.** WB Image Carboxypeptidase M antibody [N1C2] detects Carboxypeptidase M protein by western blot analysis. Rat tissue extracts (50 µg) was separated by 10% SDS-PAGE, and the membrane was blotted with Carboxypeptidase M antibody [N1C2], diluted at 1:500.

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