

ARG42682 anti-CPM / Carboxypeptidase M antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes CPM / Carboxypeptidase M
Tested Reactivity	Hu
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CPM / Carboxypeptidase M
Species	Human
Immunogen	Synthetic peptide corresponding to aa. 286-316 of Human CPM / Carboxypeptidase M. (KYPREEKLPSFWNNKASLIEYIKQVHLGVK)
Conjugation	Un-conjugated
Alternate Names	EC 3.4.17.12; CPM; Carboxypeptidase M

Application Instructions

Application table	Application	Dilution
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HepG2	
Observed Size	~ 65 kDa	

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na ₂ HPO ₄ , 0.9% NaCl, 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	CPM
Gene Full Name	carboxypeptidase M
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 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]
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. [UniProt]
Calculated Mw	51 kDa
Cellular Localization	Cell membrane; Lipid-anchor, GPI-anchor. [UniProt]

Images



HepG2

ARG42682 anti-CPM / Carboxypeptidase M antibody WB image

Western blot: HepG2 whole cell lysate stained with ARG42682 anti-CPM / Carboxypeptidase M antibody at 0.5 µg/ml dilution.