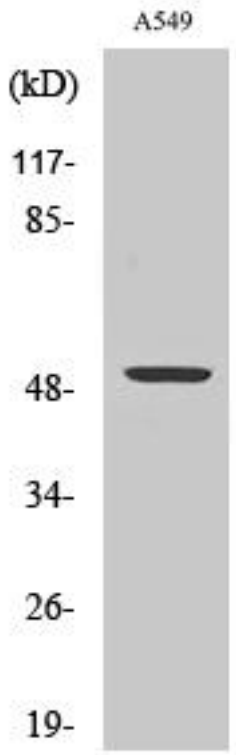
CPM Monoclonal Antibody

Catalog No	YP-mAb-03787
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	CPM
Protein Name	Carboxypeptidase M
Immunogen	The antiserum was produced against synthesized peptide derived from human CPM. AA range:71-120
Specificity	CPM Monoclonal Antibody detects endogenous levels of CPM protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CPM; Carboxypeptidase M; CPM
Observed Band	51kD
Cell Pathway	Cell membrane ; Lipid-anchor, GPI-anchor .
Tissue Specificity	Liver,Lung,Placenta,
Function	catalytic activity:Cleavage of C-terminal arginine or lysine residues from polypeptides.,cofactor:Binds 1 zinc ion per subunit.,enzyme regulation:Inhibited by O-phenanthroline and MGTA and activated by cobalt.,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.,similarity:Belongs to the peptidase M14 family.,
Background	carboxypeptidase M(CPM) Homo sapiens 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],

matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using CPM Monoclonal Antibody