CBPD Monoclonal Antibody

Catalog No	YP-mAb-05430
Isotype	IgG
Reactivity	Human;Rat
Applications	WB
Gene Name	CPD
Protein Name	Carboxypeptidase D (EC 3.4.17.22) (Metallocarboxypeptidase D) (gp180)
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	CBPD Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, 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	
Observed Band	151kD
Cell Pathway	Cell membrane ; Single-pass type I membrane protein .
Tissue Specificity	Highly expressed in placenta, pancreas and hepatoma cells. Lower levels found in skeletal muscle, heart and colon carcinoma and melanoma cell lines.
Function	catalytic activity:Releases C-terminal Arg and Lys from polypeptides.,cofactor:Binds 2 zinc ions per subunit.,domain:There are 3 carboxypeptidase-like domains. Only the first two domains seem to have kept a catalytic activity.,similarity:Belongs to the peptidase M14 family.,tissue specificity:Highly expressed in placenta, pancreas and hepatoma cells. Lower levels found in skeletal muscle, heart and colon carcinoma and melanoma cell lines.,
Background	carboxypeptidase D(CPD) Homo sapiens The metallocarboxypeptidase family of enzymes is divided into 2 subfamilies based on sequence similarities. The pancreatic carboxypeptidase-like and the regulatory B-type carboxypeptidase subfamilies. Carboxypeptidase D has been identified as a regulatory B-type carboxypeptidase. CPD is a homolog of duck gp180, a hepatitis B virus-binding protein. Transcript variants utilizing alternative polyadenylation signals exist 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