



# CBPD Polyclonal Antibody

<b>Catalog No</b>	YP-Ab-05430
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat
<b>Applications</b>	WB;ELISA
<b>Gene Name</b>	CPD
<b>Protein Name</b>	Carboxypeptidase D (EC 3.4.17.22) (Metallo-carboxypeptidase D) (gp180)
<b>Immunogen</b>	Synthesized peptide derived from part region of human protein
<b>Specificity</b>	CBPD Polyclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000 ELISA 1:5000-20000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	151kD
<b>Cell Pathway</b>	Cell membrane ; Single-pass type I membrane protein .
<b>Tissue Specificity</b>	Highly expressed in placenta, pancreas and hepatoma cells. Lower levels found in skeletal muscle, heart and colon carcinoma and melanoma cell lines.
<b>Function</b>	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.,
<b>Background</b>	carboxypeptidase D(CPD) Homo sapiens The metallo-carboxypeptidase 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**