



CPZ Polyclonal Antibody

Catalog No	YP-Ab-03792
Isotype	IgG
Reactivity	Human;Rat
Applications	WB;ELISA
Gene Name	CPZ
Immunogen	Synthesized peptide derived from CPZ . at AA range: 330-410
Specificity	CPZ Polyclonal Antibody detects endogenous levels of CPZ protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	carboxypeptidase Z;CPZ
Observed Band	73kD
Calculated Molecular Weight	73kD
Cell Pathway	Secreted, extracellular space, extracellular matrix .
Tissue Specificity	In placenta, it is present within invasive trophoblasts and in the surrounding extracellular space. Also present in amnion cells, but is not readily apparent in the extracellular matrix of this cell type. Present in normal pituitary gland and neoplastic pituitary gland (especially POMC-, GH- and PRL-producing adenomas) (at protein level). Widely expressed.
Function	cofactor: Binds 1 zinc ion per subunit.,enzyme regulation: Inhibited by 2-mercaptomethyl-3-guanidinoethylthiopropionic acid (MGTA) and guanidinoethylmercaptosuccinic acid (GEMSA). Inhibited by chelating agents such as EDTA and EGTA.,function: Cleaves substrates with C-terminal arginine residues. Probably modulates the Wnt signaling pathway, by cleaving some undefined protein. May play a role in cleavage during prohormone processing.,similarity: Belongs to the peptidase M14 family.,similarity: Contains 1 FZ (frizzled) domain.,tissue specificity: In placenta, it is present within invasive trophoblasts



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Background

carboxypeptidase Z(CPZ) Homo sapiens This gene encodes a member of the metallo-carboxypeptidase family. This enzyme displays carboxypeptidase activity towards substrates with basic C-terminal residues. It is most active at neutral pH and is inhibited by active site-directed inhibitors of metallo-carboxypeptidases. Alternative splicing in the coding region results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008],

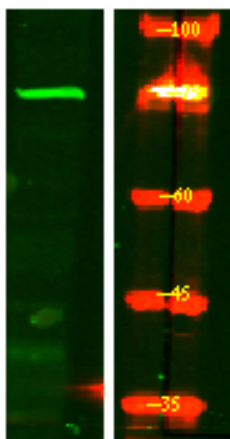
matters needing attention

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 HEK293 lysis, using primary antibody at 1:1000 dilution. Secondary antibody(catalog#:RS23920) was diluted at 1:10000