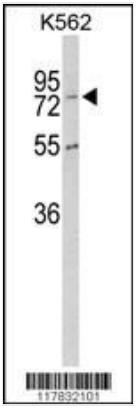
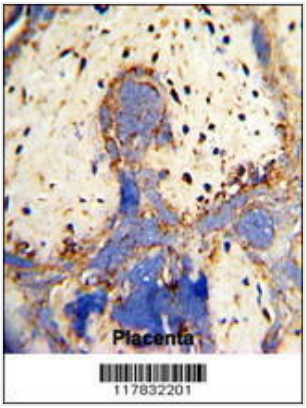
CPZ Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CPZ, Polyclonal Antibody
Full Product Name	CPZ, NT (Carboxypeptidase Z) (MaxLight 490)
Product Gene Name	anti-CPZ antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490.
Purity/Purification	Purified by Ammonium Sulfate Precipitation.
Specificity	Recognizes human CPZ.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight490 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	73.627
OMIM	U83411 mRNA
3D Structure	ModBase 3D Structure for Q66K79
Immunogen	Synthetic peptide selected from the N-terminal region of human CPZ (KLH).
Conjugate	MaxLight490
Note	Preservative Free
Product Categories/Family for anti-CPZ antibody	Antibodies; Enzymes; Carboxypeptidase
Applications Tested/Suitable for anti-CPZ antibody	Immunohistochemistry (IHC), FLISA, Western Blot (WB)
Application Notes for anti-CPZ antibody	IHC: 1:50-1:100 FLISA: 1:1,000 WB: 1:50-1:100 Applications are based on unconjugated antibody.
Related Product Information for anti-CPZ antibody	MBS6467136 is an antibody targeting CPZ. Also known as CPZ, NT (Carboxypeptidase Z) (MaxLight 490). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-CPZ antibody	1. Fan, X., J. Histochem. Cytochem. 50(11), 1509-1516 (2002). 2. Reznik, S.E., Cell. Mol. Life Sci. 58(12-13), 1790-1804 (2001).
Other Notes	Small volumes of anti-CPZ antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-CPZ antibody
Western blot analysis of CPZ Antibody (N-term) in K562 cell line lysates (35ug/lane). CPZ (arrow) was detected using the purified Pab.



Immunohistochemistry (IHC) of anti-CPZ antibody
Formalin-fixed and paraffin-embedded human placenta with CPZ Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CPZ. It may not necessarily be applicable to this product.

NCBI GI #	1519245306
NCBI Accession #	NP_001014447
UniProt Primary Accession #	Q66K79
GenBank Nucleotide #	NP_001014447.2
NCBI Official Full Name	carboxypeptidase Z isoform 1
UniProt Protein Name	Carboxypeptidase Z
Protein Family	Carboxypeptidase
UniProt Gene Name	CPZ
UniProt Synonym Gene Names	CPZ
UniProt Comments for CPZ	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.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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