

CPZ Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP6546a**Specification**

CPZ Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q66K79](#)**CPZ Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 8532**Other Names**

Carboxypeptidase Z, CPZ, 3417-, CPZ

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP6546a](/products/AP6546a) was selected from the N-term region of human CPZ. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

CPZ Antibody (N-term) Blocking Peptide - Protein Information**Name** CPZ**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.

Cellular Location

Secreted, extracellular space, extracellular matrix

Tissue Location

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

CPZ Antibody (N-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

CPZ Antibody (N-term) Blocking Peptide - Images

CPZ Antibody (N-term) Blocking Peptide - Background

CPZ is a member of the metallocarboxypeptidase 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 metallocarboxypeptidases.

CPZ Antibody (N-term) Blocking Peptide - References

Fan,X., J. Histochem. Cytochem. 50 (11), 1509-1516 (2002)Reznik,S.E., Cell. Mol. Life Sci. 58 (12-13), 1790-1804 (2001)