

CNDP1 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP9166b**Specification**

CNDP1 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q96KN2](#)**CNDP1 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 84735**Other Names**

Beta-Ala-His dipeptidase, CNDP dipeptidase 1, Carnosine dipeptidase 1, Glutamate carboxypeptidase-like protein 2, Serum carnosinase, CNDP1, CN1, CPGL2

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP9166b](/products/AP9166b) was selected from the C-term region of human CNDP1. 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.

CNDP1 Antibody (C-term) Blocking Peptide - Protein Information**Name** CNDP1 ([HGNC:20675](#))**Synonyms** CN1, CPGL2**Function**

Catalyzes the peptide bond hydrolysis in Xaa-His dipeptides, displaying the highest activity toward carnosine (beta-alanyl-L- histidine) and anserine (beta-alanyl-3-methyl-histidine).

Cellular Location

Secreted.

Tissue Location

Found in serum and adult nervous central system. Absent in serum from patients with homocarnosinosis

CNDP1 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

CNDP1 Antibody (C-term) Blocking Peptide - Images

CNDP1 Antibody (C-term) Blocking Peptide - Background

CNDP1 encodes a member of the M20 metalloprotease family. The encoded protein is specifically expressed in the brain, is a homodimeric dipeptidase which was identified as human carnosinase. This protein contains trinucleotide (CTG) repeat length polymorphism in the coding region.

CNDP1 Antibody (C-term) Blocking Peptide - References

Craig,D.W., et.al., Diabet. Med. 26 (11), 1090-1098 (2009)Mooyaart,A.L., et.al., Diabetes Res. Clin. Pract. 85 (3), 272-278 (2009)