

CNDP1 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP17674c**Specification**

CNDP1 Antibody (Center) Blocking Peptide - Product Information

Primary Accession [Q96KN2](#)

CNDP1 Antibody (Center) 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

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 (Center) 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 (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

CNDP1 Antibody (Center) Blocking Peptide - Images

CNDP1 Antibody (Center) Blocking Peptide - Background

This gene 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 gene contains trinucleotide (CTG) repeat length polymorphism in the coding region.

CNDP1 Antibody (Center) Blocking Peptide - References

Alkhalaf, A., et al. Diabetologia (2010) In press : Riedl, E., et al. Diabetes 59(8):1984-1990(2010) Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) : Mooyaart, A.L., et al. Diabetes 59(6):1555-1559(2010) Kim, S., et al. Clin J Am Soc Nephrol 5(6):1072-1078(2010)