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CPA6 Antibody (Center) Blocking peptide

Synthetic peptide
Catalog # BP11327c

Specification

CPA6 Antibody (Center) Blocking peptide - Product Information

Primary Accession Q8N4T0

CPA6 Antibody (Center) Blocking peptide - Additional Information

Gene ID 57094

Other Names
Carboxypeptidase A6, 3417-, CPA6, CPAH

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.

CPA6 Antibody (Center) Blocking peptide - Protein Information

Name CPA6

Synonyms CPAH

Function
May be involved in the proteolytic inactivation of enkephalins and neurotensin in some brain areas. May convert inactive angiotensin I into the biologically active angiotensin II (PubMed:18178555). Releases a C-terminal amino acid, with preference for large hydrophobic C-terminal amino acids and shows only very weak activity toward small amino acids and histidine (PubMed:20855895).

Cellular Location
Secreted, extracellular space, extracellular matrix

Tissue Location
Expressed in the hippocampus, nucleus raphe, and cortex.

CPA6 Antibody (Center) Blocking peptide - Protocols

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

- Blocking Peptides

CPA6 Antibody (Center) Blocking peptide - Images

CPA6 Antibody (Center) Blocking peptide - Background

The protein encoded by this gene belongs to the family ofcarboxypeptidases, which catalyze the release of C-terminal aminoacid, and have functions ranging from digestion of food toselective biosynthesis of neuroendocrine peptides. Polymorphicvariants and a reciprocal translocation t(6;8)(q26;q13) involvingthis gene, have been associated with Duane retraction syndrome.

CPA6 Antibody (Center) Blocking peptide - References

Bailey, S.D., et al. Diabetes Care (2010) In press :Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)Sharif, S.A., et al. Arthritis Rheum. 60(10):2902-2912(2009)Lyons, P.J., et al. J. Biol. Chem. 283(11):7054-7063(2008)