

CPA6 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11327c**Specification**

CPA6 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	Q8N4T0
Other Accession	Q5U901 , NP_065094.3
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	51008
Antigen Region	285-315

CPA6 Antibody (Center) - Additional Information**Gene ID** 57094**Other Names**

Carboxypeptidase A6, 3417-, CPA6, CPAH

Target/Specificity

This CPA6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 285-315 amino acids from the Central region of human CPA6.

Dilution

WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

CPA6 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

CPA6 Antibody (Center) - 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

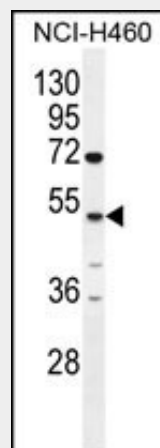
Expressed in the hippocampus, nucleus raphe, and cortex.

CPA6 Antibody (Center) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CPA6 Antibody (Center) - Images



CPA6 Antibody (Center) (Cat. #AP11327c) western blot analysis in NCI-H460 cell line lysates (35ug/lane). This demonstrates the CPA6 antibody detected the CPA6 protein (arrow).

CPA6 Antibody (Center) - Background

The protein encoded by this gene belongs to the family of carboxypeptidases, which catalyze the release of C-terminal amino acid, and have functions ranging from digestion of food to selective biosynthesis of neuroendocrine peptides. Polymorphic variants and a reciprocal translocation t(6;8)(q26;q13) involving this gene, have been associated with Duane retraction syndrome.

CPA6 Antibody (Center) - 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)