

# CPA2 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)  
Catalog # AP11457c

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">P48052</a>
<b>Other Accession</b>	<a href="#">NP_001860.2</a>
<b>Reactivity</b>	Human
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB19004
<b>Calculated MW</b>	47030
<b>Antigen Region</b>	179-208

## Additional Information

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<b>Gene ID</b>	1358
<b>Other Names</b>	Carboxypeptidase A2, CPA2
<b>Target/Specificity</b>	This CPA2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 179-208 amino acids from the Central region of human CPA2.
<b>Dilution</b>	WB~~1:1000 E~~Use at an assay dependent concentration.
<b>Format</b>	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.
<b>Storage</b>	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.
<b>Precautions</b>	CPA2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	CPA2
<b>Function</b>	Carboxypeptidase that catalyzes the release of a C-terminal amino acid, with a preference for large aromatic C-terminal residues.
<b>Cellular Location</b>	Secreted {ECO:0000250   UniProtKB:Q9UI42}.

## Background

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Three different forms of human pancreatic procarboxypeptidase A have been isolated. The encoded protein represents the A2 form, which is a monomeric protein with different biochemical properties from the A1 and A3 forms. The A2 form of pancreatic procarboxypeptidase acts on aromatic C-terminal residues and is a secreted protein.

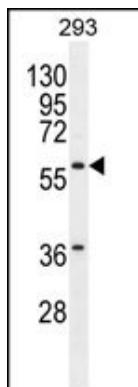
## References

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Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :  
Cerda-Costa, N., et al. Biochemistry 48(44):10582-10590(2009)  
Dantas, G., et al. J. Mol. Biol. 366(4):1209-1221(2007)  
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## Images

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CPA2 Antibody (Center) (Cat. #AP11457c) western blot analysis in 293 cell line lysates (35ug/lane). This demonstrates the CPA2 antibody detected the CPA2 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.