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CPA4 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP7338b

Specification

CPA4 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q9UI42

CPA4 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 51200

Other Names
Carboxypeptidase A4, 3417-, Carboxypeptidase A3, CPA4, CPA3

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP7338b was selected from the C-term region of human CPA4. 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.

CPA4 Antibody (C-term) Blocking Peptide - Protein Information

Name CPA4

Synonyms CPA3

Function
Metalloprotease that could be involved in the histone hyperacetylation pathway (PubMed:10383164). Releases a C-terminal amino acid, with preference for -Phe, -Leu, -Ile, -Met, -Tyr and -Val (PubMed:20385563).

Cellular Location
Secreted.

Tissue Location
Fetal expression in the adrenal gland, brain, heart, intestine, kidney, liver and lung. Except for

fetal brain that shows no imprinting, expression was found preferentially from the maternal allele

CPA4 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

CPA4 Antibody (C-term) Blocking Peptide - Images

CPA4 Antibody (C-term) Blocking Peptide - Background

CPA4 is a member of the carboxypeptidase A/B subfamily. Carboxypeptidases are zinc-containing exopeptidases that catalyze the release of carboxy-terminal amino acids, and are synthesized as zymogens that are activated by proteolytic cleavage. This protein could be involved in the histone hyperacetylation pathway. It is imprinted and may be a strong candidate protein for prostate cancer aggressiveness.

CPA4 Antibody (C-term) Blocking Peptide - References

Ross,P.L., Cheng,I. BMC Cancer 9, 69 (2009)Bentley,L., Nakabayashi,K. J. Med. Genet. 40 (4), 249-256 (2003)Kayashima,T., Yamasaki,K. Hum. Genet. 112 (3), 220-226 (2003)Hayashida,S., Yamasaki,K. Genomics 66 (2), 221-225 (2000)