Carboxypeptidase A4 (CPA4) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Carboxypeptidase A4 (CPA4), Polyclonal Antibody
Full Product Name	HRP-Linked Polyclonal Antibody to Carboxypeptidase A4 (CPA4)
Product Gene Name	anti-CPA4 antibody
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Concentration	500ug/ml (lot specific)
Matching Pairs	Unconjugated Antibody: CPA4 (MBS2026394) HRP Conjugated Antibody: CPA4 (MBS2076216)
Matching Pairs	HRP Conjugated Antibody: CPA4 (MBS2076216) Immunogen: CPA4 (MBS2030189)
Molecular Weight	43,570 Da
OMIM	AF095719 mRNA
3D Structure	ModBase 3D Structure for Q9UI42
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Immunogen	CPA4 (Lys55~Tyr421)
Conjugation	HRP
Cross Reactivity	Human
Unconjugated Antibody	The unconjugated antibody version of this item is also available as catalog #MBS2026394
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-CPA4 antibody	Western Blot (WB), Immunocytochemistry (ICC), Immunohistochemistry (IHC) Formalin/Paraffin, ELISA (ELISA)
Related Product Information for anti-CPA4 antibody	MBS2076216 is an antibody targeting CPA4. Also known as HRP-Linked Polyclonal Antibody to Carboxypeptidase A4 (CPA4). Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-CPA4 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CPA4. It may not necessarily be applicable to this product.

NCBI GI #	61743916
NCBI GeneID	51200
NCBI Accession #	NP_057436.2
UniProt Primary Accession #	Q9UI42

UniProt Secondary Accession #	Q86UY9; B7Z576
UniProt Related Accession #	Q9UI42
GenBank Nucleotide #	NM_016352.3
NCBI Official Full Name	carboxypeptidase A4 isoform 1 preproprotein
NCBI Official Synonym Full Names	carboxypeptidase A4
NCBI Official Symbol	CPA4
NCBI Official Synonym Symbols	CPA3
UniProt Protein Name	Carboxypeptidase A4
UniProt Synonym Protein Names	Carboxypeptidase A3
Protein Family	Carboxypeptidase
UniProt Gene Name	CPA4
UniProt Synonym Gene Names	CPA3
NCBI Protein Information	carboxypeptidase A4
NCBI Summary for CPA4	This gene is a member of the carboxypeptidase A/B subfamily, and it is located in a cluster with three other family members on chromosome 7. 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 gene could be involved in the histone hyperacetylation pathway. It is imprinted and may be a strong candidate gene for prostate cancer aggressiveness. [provided by RefSeq, Jul 2008]
UniProt Comments for CPA4	CPA4: Metalloprotease that could be involved in the histone hyperacetylation pathway. Belongs to the peptidase M14 family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: EC 3.4.17.-; Protease; Secreted; Secreted, signal peptide Chromosomal Location of Human Ortholog: 7q32.2 Cellular Component: extracellular space Molecular Function: metallocarboxypeptidase activity
Research Articles on CPA4	**1.** The crystal structure of the human CPA4 carboxypeptidase in complex with SmCI, a peptide protease inhibitor.
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