

Mouse CPA1 Monoclonal Antibody | anti-CPA1 antibody

CPA1 antibody

CATALOG # AAA106495	HOST Mouse	APPLICATIONS Western Blot, Immunohistochemistry, Immunofluorescence
-------------------------------	----------------------	---

PRODUCT SYNONYMS

CPA1; Monoclonal Antibody; CPA1 antibody; Monoclonal CPA1; Anti-CPA1; Carboxypeptidase A; Carboxypeptidase A1 precursor; Pancreatic carboxypeptidase A1; Procarboxypeptidase A1 pancreatic; CPA 1; CPA-1; anti-CPA1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	2A3
Purity/Purification	CPA1 antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	411
Applicable Applications for anti-CPA1 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Biological Significance	CPA1 usually refers to the pancreatic exopeptidase which hydrolyzes peptide bonds of C-terminal residues with aromatic or aliphatic side chains. Most scientists in the field now refer to this enzyme as CPA1, and to a related pancreatic carboxypeptidase as CPA2.
Cross-Reactivity	Human
Immunogen	CPA1 antibody was raised in mouse using a recombinant protein expressed in E Coli corresponding to amino acids 1-419 of human CPA-1 as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical analysis of CPA1 protein in paraffin embedded Adenocarcinoma of Human breast tissue using CPA1 antibody



WB (Western Blot)

Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant CPA1 protein (Right) or empty vector (Left) detected with CPA1 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-CPA1 antibody	Mouse monoclonal CPA1 antibody
--	--------------------------------

Product Categories/Family for anti-CPA1 antibody

Proteases; Inhibitors; & Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	6324878
NCBI GeneID	854479
NCBI Accession #	NP_014947.1
NCBI GenBank Nucleotide #	NM_001183722.1
UniProt Accession #	P07258; D6W302
Molecular Weight	45,362 Da
NCBI Official Full Name	Cpa1p
NCBI Official Symbol	CPA1
NCBI Protein Information	carbamoyl-phosphate synthase (glutamine-hydrolyzing) CPA1
UniProt Protein Name	Carbamoyl-phosphate synthase arginine-specific small chain
UniProt Gene Name	CPA1
UniProt Synonym Gene Names	CPS-A
UniProt Entry Name	CARA_YEAST

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/monoclonal/cpa1-antibody-clone-2a3-western-blot-immunohistochemistry-immunofluorescence-elisa/106495>