CPA4 rabbit monoclonal antibody

Catalog # H00051200-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human CPA4 peptide using ARM Technology.
Immunogen	A synthetic peptide of human CPA4 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human CPA4 peptide by ELISA and mammalian transfected lysate by We stern Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering in cluding $F(ab)_2$, IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

  Protocol Download

- ELISA

Gene Info — CPA4

Entrez GeneID	51200
GeneBank Accession#	CPA4
Gene Name	CPA4
Gene Alias	CPA3
Gene Description	carboxypeptidase A4
Omim ID	607635
Gene Ontology	Hyperlink
Gene Summary	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
Other Designations	carboxypeptidase A3

Disease

- Colorectal Neoplasms
- Genetic Predisposition to Disease
- Prostate cancer
- Prostatic Neoplasms