

CA5A rabbit monoclonal antibody

Catalog # H00000763-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human CA5A peptide using ARM Technology.
Immunogen	A synthetic peptide of human CA5A 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 CA5A peptide by ELISA and mammalian transfected lysate by Western 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 including 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 — CA5A

Entrez GeneID [763](#)

GeneBank Accession# [CA5A](#)

Gene Name CA5A

Gene Alias CA5, CAV, CAVA

Gene Description carbonic anhydrase VA, mitochondrial

Omim ID [114761](#)

Gene Ontology [Hyperlink](#)

Gene Summary Carbonic anhydrases (CAs) are a large family of zinc metalloenzymes that catalyze the reversible hydration of carbon dioxide. They participate in a variety of biological processes, including respiration, calcification, acid-base balance, bone resorption, and the formation of aqueous humor, cerebrospinal fluid, saliva, and gastric acid. They show extensive diversity in tissue distribution and in their subcellular localization. CA VA is localized in the mitochondria and expressed primarily in the liver. It may play an important role in ureagenesis and gluconeogenesis. CA5A gene maps to chromosome 16q24.3 and an unprocessed pseudogene has been assigned to 16p12-p11.2. [provided by RefSeq]

Other Designations carbonic anhydrase V, mitochondrial|carbonic dehydratase

Pathway

- [Nitrogen metabolism](#)