



Rabbit Anti-Mouse Carbonic Anhydrase 8/CA8 monoclonal antibody, clone S112 (CABT-ZB862)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	It reacts with Mouse Carbonic Anhydrase 8/CA8 It has cross-reactivity in ELISA with Human CA8.
Target	CA8
Immunogen	Recombinant Mouse Carbonic Anhydrase VIII/CA8 protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Mouse
Clone	S112
Purification	Protein A purified
Conjugate	Unconjugated
Applications	ELISA, ELISA(det) We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB486 - CABT-ZB862 This antibody will detect Carbonic Anhydrase 8/CA8 in antibody pair set. [ABPR-ZB061]
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Mouse Carbonic Anhydrase VIII / CA8.
Format	Purified, Liquid

Concentration	Lot specific
Size	50 µL, 100 µL, 1 mL
Buffer	PBS
Preservative	None
Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Ship	Wet ice

BACKGROUND

Introduction	The carbonic anhydrases (or carbonate dehydratases) are classified as metalloenzyme for its zinc ion prosthetic group and form a family of enzymes that catalyze the rapid interconversion of carbon dioxide and water to bicarbonate and protons, a reversible reaction that takes part in maintaining acid-base balance in blood and other tissues. The carbonic anhydrase I (CA) family consists of at least 11 enzymatically active members and a few inactive homologous proteins. Carbonic anhydrase protein (CA) VIII, which is a member of the CA gene family, has been shown to have no catalytic CA activity and its biological function is still unknown. Increased expression of CA-RP VIII was observed in 78% of colorectal carcinomas. It suggested that CA-RP VIII plays a role in the process of invasion in colorectal cancer.
Keywords	CA8; carbonic anhydrase VIII; CALS; carbonic anhydrase-related protein

GENE INFORMATION

Synonyms	CA8; carbonic anhydrase VIII; CALS; carbonic anhydrase-related protein; CARP; CA-related protein; carbonate dehydratase; carbonic anhydrase-like sequence; CAMRQ3; CA-VIII; MGC99509; MGC120502
Entrez Gene ID	12319
UniProt ID	P28651