



Mouse anti-Human CA8 monoclonal antibody, clone 2G8 (CABT-B9881)

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

PRODUCT INFORMATION

Immunogen	CA8 (NP_004047, 40 a.a. ~ 140 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG3
Source/Host	Mouse
Species Reactivity	Human
Clone	2G8
Conjugate	Unconjugated
Applications	WB,sELISA,ELISA
Sequence Similarities	VFPDANGEYQSPINLNSREARYDPSLLDVRLSPNYVVCRDCEVTNDGHTIQVILKSKSVL SGGPLPQGHEFELYEVRFHWGRENQRGSEHTVNFKAFPME*
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	The protein encoded by this gene was initially named CA-related protein because of sequence similarity to other known carbonic anhydrase genes. However, the gene product lacks carbonic
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anhydrase activity (i.e., the reversible hydration of carbon dioxide). The gene product continues to carry a carbonic anhydrase designation based on clear sequence identity to other members of the carbonic anhydrase gene family. The absence of CA8 gene transcription in the cerebellum of the lurcher mutant in mice with a neurologic defect suggests an important role for this acatalytic form. [provided by RefSeq, Jul 2008]

Keywords	CA8; carbonic anhydrase VIII; CALS; CARP; CAMRQ3; CA-VIII; carbonic anhydrase-related protein; CA-related protein; carbonate dehydratase; carbonic anhydrase-like sequence;
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GENE INFORMATION

Entrez Gene ID	767
UniProt ID	P35219
Pathway	Nitrogen metabolism, organism-specific biosystem; Nitrogen metabolism, conserved biosystem
Function	carbonate dehydratase activity; metal ion binding; zinc ion binding
