

Datasheet for ABIN2775275
anti-CA8 antibody (N-Term)



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1 Image

Overview

Quantity:	100 µL
Target:	CA8
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Zebrafish (Danio rerio), Guinea Pig, Horse, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CA8 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human CA8
Sequence:	YEEGVWGLV FPDANGEYQS PINLNSREAR YDPSLLDVRL SPNYVVCDC
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against CA8. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Protein A purified

Target Details

Target:	CA8
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Target Details

Alternative Name:	CA8 (CA8 Products)
Background:	CA8 was initially named CA-related protein because of sequence similarity to other known carbonic anhydrase genes. However, CA8 lacks carbonic anhydrase activity (i.e., the reversible hydration of carbon dioxide). CA8 continues to carry a carbonic anhydrase designation based on clear sequence identity to other members of the carbonic anhydrase gene family. 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 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. Alias Symbols: CA-VIII, CALS, CARP, MGC120502, MGC99509, CAMRQ3 Protein Interaction Partner: LNX1, SPDL1, HSD17B14, GGA2, MAGED1, TBX3, CRX, UBC, LRCH4, ITPR1, Protein Size: 290
Molecular Weight:	32 kDa
Gene ID:	767
NCBI Accession:	NM_004056 , NP_004047
UniProt:	P35219

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 290 AA
Restrictions:	For Research Use only

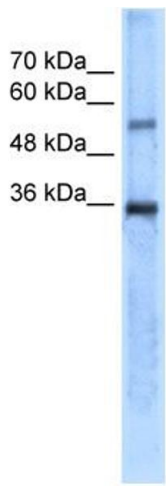
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-CA8 Antibody Titration: 5.0ug/ml Positive Control: SK-MEL-2 cell lysate CA8 is supported by BioGPS gene expression data to be expressed in SKMEL2