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Rabbit Anti-CA8 antibody

SL6516R

Product Name:	CA8
Chinese Name:	碳酸酐酶相关蛋白8抗体
Alias:	CA 12; CA VIII; CA-VIII; Ca8; CAH8_HUMAN; CALS; Carbonic anhydrase related protein; Carbonic anhydrase VIII; Carbonic anhydrase-related protein; CARP; MGC120502; MGC99509.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Sheep,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	33kDa
Cellular localization:	The nucleuscytoplasmicThe cell membraneExtracellular matrixSecretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human CA8:161-260/290
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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.

Function:
Does not have a carbonic anhydrase catalytic activity.

DISEASE:
Defects in CA8 are the cause of cerebellar ataxia mental retardation and dysequilibrium syndrome type 3 (CMARQ3) [MIM:613227]. CMARQ3 is a congenital cerebellar ataxia associated with dysarthia, quadrupedal gait and mild mental retardation.

Similarity:
Belongs to the alpha-carbonic anhydrase family.

SWISS:
P35219

Gene ID:
767

Database links:

Entrez Gene: 515918Cow

Entrez Gene: 767Human

Entrez Gene: 12319Mouse

Entrez Gene: 297814Rat

Omim: 114815Human

SwissProt: P35219Human

SwissProt: P28651Mouse

SwissProt: Q5PPN4Rat

Unigene: 654388Human

Unigene: 119320Mouse

Unigene: 22066Rat

Important Note:
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.