



CA I Monoclonal Antibody

Catalog No	YP-mAb-02509
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	CA1
Immunogen	The antiserum was produced against synthesized peptide derived from human CA1. AA range:41-90
Specificity	CA I Monoclonal Antibody detects endogenous levels of CA I protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CA1;CA I;Carbonate dehydratase I;Car1;CA-I;Carbonic anhydrase 1;Carbonic anhydrase B;CAB;Carbonic anhydrase I
Observed Band	29kD
Calculated Molecular Weight	29kD
Cell Pathway	Cytoplasm .
Tissue Specificity	Pancreas,Spleen,
Function	catalytic activity:H(2)CO(3) = CO(2) + H(2)O.,cofactor:Zinc.,function:Reversible hydration of carbon dioxide.,similarity:Belongs to the alpha-carbonic anhydrase family.,
Background	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. This CA1 gene is closely linked to the CA2 and CA3 genes on chromosome 8. It encodes a cytosolic protein that is found at the



highest level in erythrocytes. Allelic variants of this gene have been described in some populations. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2014],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images

