



CA1 Polyclonal Antibody

E91031

Catalog Number: E91031**Amount:** 100ul

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. CA1 is closely linked to CA2 and CA3 genes on chromosome 8, and it encodes a cytosolic protein which is found at the highest level in erythrocytes. Variants of this gene have been described in some populations. Multiple alternatively spliced variants, encoding the same protein, have been identified. Transcript variants of CA1 utilizing alternative polyA_sites have been described in literature. [provided by RefSeq, Sep 2009]

Species: Rabbit**Isotype:** IgG

Storage/Stability: Store at -20°C or -80°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonyms: CA1; Car1; Carbonate dehydratase I; carbonic anhydrase I; Carbonic anhydrase 1; CA I

Immunogen: Recombinant protein of human CA1

Purification: Affinity purification

Reactivity: H M R

Applications: WB IHC

Molecular Weight: 29kDa

Swiss-Prot No. : P00915

Gene ID: 759

WB 1:500 - 1:2000

IHC 1:50- 1:200

Western blot analysis of K562 cell lysate using CA1 antibody.

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