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# CA1 Polyclonal Antibody

**Cat #:** G-AB-07362

**Host:** Rabbit **Reactivity:** Human, Mouse, Rat

**Isotype:** IgG **Clonality:**

**Overview:**
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 and the use of alternative promoters results in multiple transcript variants.

**Gene ID:** 759

**Accession #:**

**Immunogen:** Recombinant fusion protein of human CA1 (NP_001122303.1).

**Conjugation:** Unconjugated

**Swissprot:** P00915

**Calculated Molecular Weight:** 28 kDa

**Observed Molecular Weight:** 30 kDa

**Concentration:** 1 mg/mL

**Buffer:** PBS with 0.02% sodium azide, 50% glycerol, pH7.3

**Purification Method:** Affinity purification

**Application:** WB,IF

**Dilution:** WB 1:500-1:2000 IF 1:10-1:100

**Storage:** Store at -20°C. Avoid freeze / thaw cycles.