

Product datasheet for **TA323825**

Carbonic Anhydrase I (CA1) Rabbit Polyclonal Antibody

Product data:

| | |
|-------------------------|---|
| Product Type: | Primary Antibodies |
| Applications: | WB |
| Recommended Dilution: | WB: 200-1000 WB positive control: Human lung cancer tissue |
| Reactivity: | Human, Rat |
| Host: | Rabbit |
| Isotype: | IgG |
| Clonality: | Polyclonal |
| Immunogen: | Full length fusion protein |
| Formulation: | PBS pH7.3, 0.05% NaN ₃ , 50% glycerol |
| Concentration: | lot specific |
| Purification: | Antigen affinity purification |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Predicted Protein Size: | 29 kDa |
| Gene Name: | carbonic anhydrase 1 |
| Database Link: | NP_001122301 Entrez Gene 759 Human P00915 |



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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.

Synonyms:

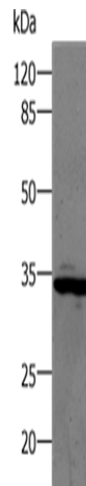
CA-I; CAB; Car1; HEL-S-11

Protein Families:

Druggable Genome

Protein Pathways:

Nitrogen metabolism

Product images:

Gel: 10%SDS-PAGE

Lysate: 24 µg

Lane: Human lung cancer tissue

Primary antibody: TA323825 (CA1 Antibody) at dilution 1/350

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 1 minute