

# [KO Validated] Carbonic Anhydrase 2 (CA2) Rabbit pAb

Catalog No.: A18034 **KO Validated**

## Basic Information

### Observed MW

28kDa

### Calculated MW

29kDa

### Category

Primary antibody

### Applications

WB, ELISA

### Cross-Reactivity

Human, Mouse

## Background

The protein encoded by this gene is one of several isozymes of carbonic anhydrase, which catalyzes reversible hydration of carbon dioxide. Defects in this enzyme are associated with osteopetrosis and renal tubular acidosis. Two transcript variants encoding different isoforms have been found for this gene.

## Recommended Dilutions

**WB** 1:500 - 1:2000

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

760

### Swiss Prot

P00918

### Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

### Synonyms

CAC; CAII; Car2; CA-II; HEL-76; HEL-S-282; 2)

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

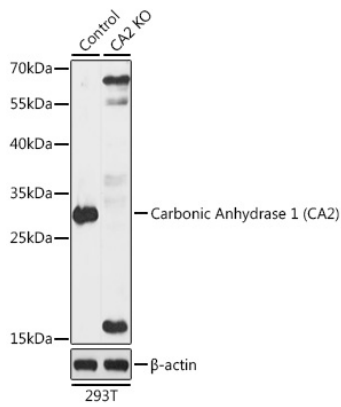
### Storage

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

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

## Validation Data

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Western blot analysis of lysates from wild type (WT) and Carbonic Anhydrase 2 (CA2) knockout (KO) 293T cells, using [KO Validated] Carbonic Anhydrase 2 (CA2) Rabbit pAb (A18034) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 5s.