

[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

ELISA, WB

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

Immunogen Information

Gene ID

760

Swiss Prot

P00918

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-250 of human Carbonic Anhydrase 2 (CA2) (NP_000058.1).

Synonyms

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

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

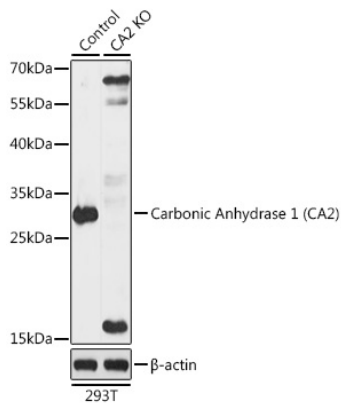
Affinity purification

Storage

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

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH 7.3.

Validation Data



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 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.