Leader in Biomolecular Solutions for Life Science

www.abclonal.com

Carbonic Anhydrase 1 (CA1) Rabbit mAb

Catalog No.: A4406 Recombinant 1 Publications

Basic Information

Observed MW
29kDa

Calculated MW
29kDa

Category
Primary antibody

Applications
ELISA,WB

Cross-Reactivity
Mouse, Rat

CloneNo number
ARC1062

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. 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.

Recommended Dilutions

WB	1:500 - 1:1000

Immunogen Information

Gene ID
759

Swiss Prot
P00915

Immunogen
Recombinant fusion protein containing a sequence corresponding to amino acids 160-261 of human Carbonic Anhydrase 1 (CA1) (NP_001729.1).

Synonyms
CAB; CA-I; Car1; HEL-S-11; Carbonic Anhydrase 1 (CA1)

Contact

400-999-6126

cn.market@abclonal.com.cn

www.abclonal.com.cn

Product Information

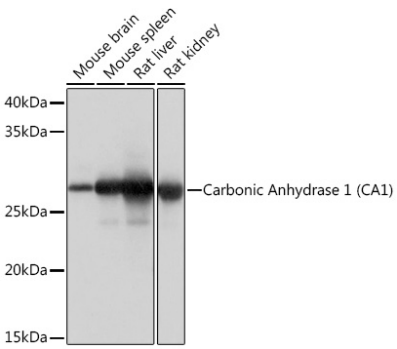
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

Validation Data



Western blot analysis of extracts of various cell lines, using Carbonic Anhydrase 1 (CA1) (CA1) Rabbit mAb (A4406) 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: 1s.