

Carbonic Anhydrase 2 (CA2) Rabbit mAb

Catalog No.: A9148 **Recombinant**

Basic Information

Observed MW

29kDa

Calculated MW

29kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC1451

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 - 1:1000
IHC-P	1:50 - 1:200

Immunogen Information

Gene ID

760

Swiss Prot

P00918

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 161-260 of human Carbonic Anhydrase 2 (CA2) (P00918).

Synonyms

CAC; CAlI; Car2; CA-II; HEL-76; HEL-S-282; Carbonic Anhydrase 2 (CA2)

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

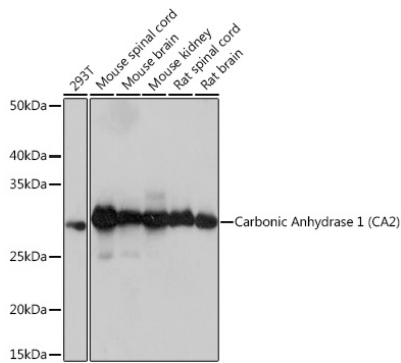
Affinity purification

Storage

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

Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of extracts of various cell lines, using Carbonic Anhydrase 2 (CA2) Rabbit mAb (A9148) at 1:1000 dilution.

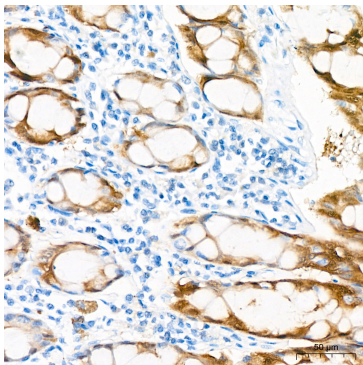
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

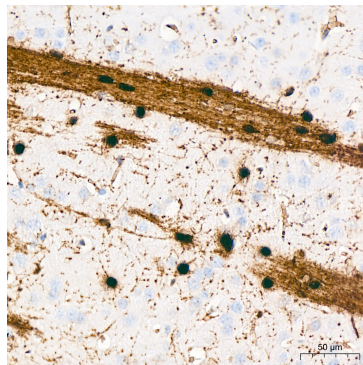
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

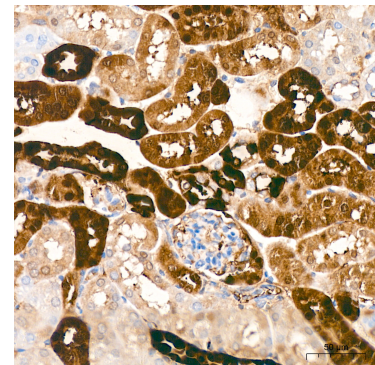
Exposure time: 3s.



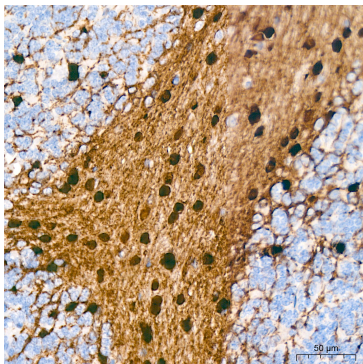
Immunohistochemistry analysis of Carbonic Anhydrase 2 (CA2) in paraffin-embedded human colon tissue using Carbonic Anhydrase 2 (CA2) Rabbit mAb (A9148) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M Tris-EDTA buffer (pH 9.0) prior to IHC staining.



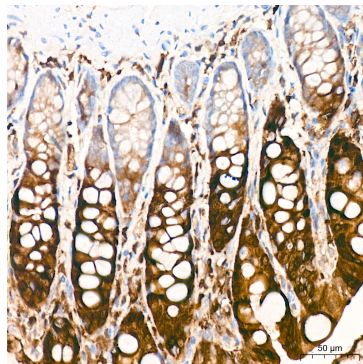
Immunohistochemistry analysis of Carbonic Anhydrase 2 (CA2) in paraffin-embedded mouse brain tissue using Carbonic Anhydrase 2 (CA2) Rabbit mAb (A9148) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M Tris-EDTA buffer (pH 9.0) prior to IHC staining.



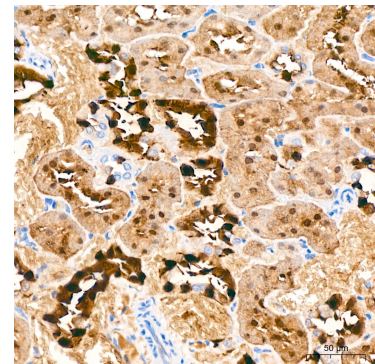
Immunohistochemistry analysis of Carbonic Anhydrase 2 (CA2) in paraffin-embedded mouse kidney tissue using Carbonic Anhydrase 2 (CA2) Rabbit mAb (A9148) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M Tris-EDTA buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of Carbonic Anhydrase 2 (CA2) in paraffin-embedded rat brain tissue using Carbonic Anhydrase 2 (CA2) Rabbit mAb (A9148) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M Tris-EDTA buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of Carbonic Anhydrase 2 (CA2) in paraffin-embedded rat colon tissue using Carbonic Anhydrase 2 (CA2) Rabbit mAb (A9148) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M Tris-EDTA buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of Carbonic Anhydrase 2 (CA2) in paraffin-embedded rat kidney tissue using Carbonic Anhydrase 2 (CA2) Rabbit mAb (A9148) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M Tris-EDTA buffer (pH 9.0) prior to IHC staining.