

Carbonic Anhydrase 1 (CA2) Monoclonal Antibody

CAB9148

Description

This Carbonic Anhydrase 1 (CA2) Monoclonal Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Product Information

SKU:	CAB9148
Contents:	20 µL, 100 µL Bradford Reagent: 1 vial (2ml)
Category:	Monoclonal Antibody
Synonyms:	CAC, CAII, Car2, CA-II, HEL-76, HEL-S-282, Carbonic Anhydrase 2 (CA2)
Clone:	ARC1451
Applications:	WB IHC-P ELISA
Conjugation:	Unconjugated
Reactivity:	Human, Mouse, Rat

Antibody Data

Gene ID:	760
Uniprot:	AB_2863671
Host Species:	Rabbit
Purification:	Affinity purification
Observed MW:	29kDa
Calculated MW:	29kDa

Preparation & Storage

Storage: Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

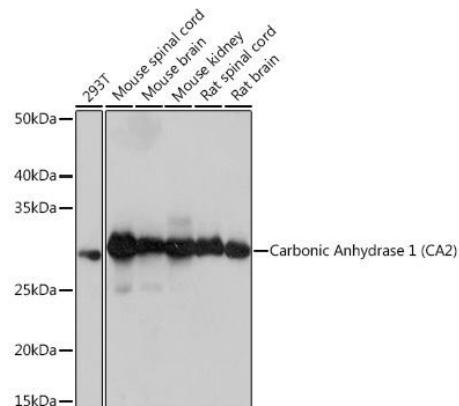
Store Bradford Reagent at Room Temperature for 1 Year.

Positive Sample: 293T, Mouse spinal cord, Mouse brain, Mouse kidney, Rat spinal cord, Rat brain

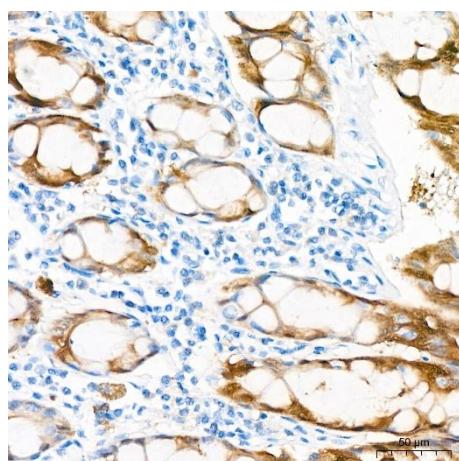
Recommended Dilutions:	WB	1:500 - 1:1000
	IHC-P	1:50 - 1:200
	ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

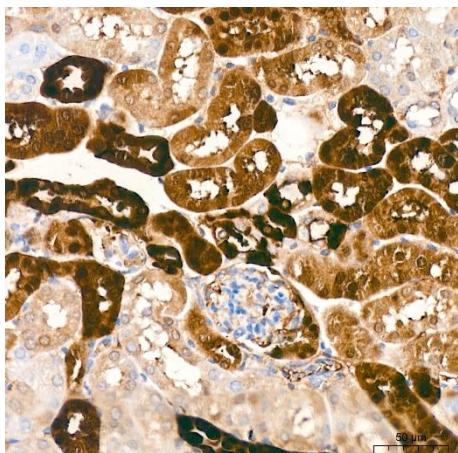
Validation Data



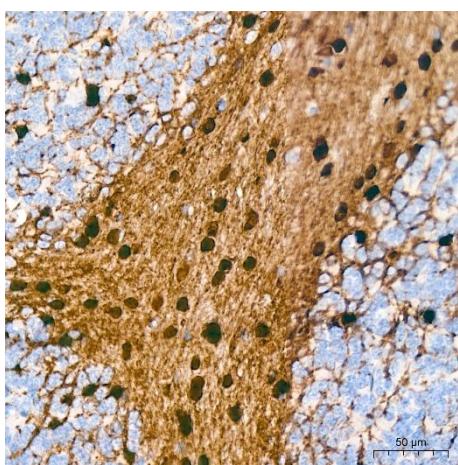
Western blot analysis of various lysates using Carbonic Anhydrase 2 Rabbit mAb (CAB9148) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 3s.



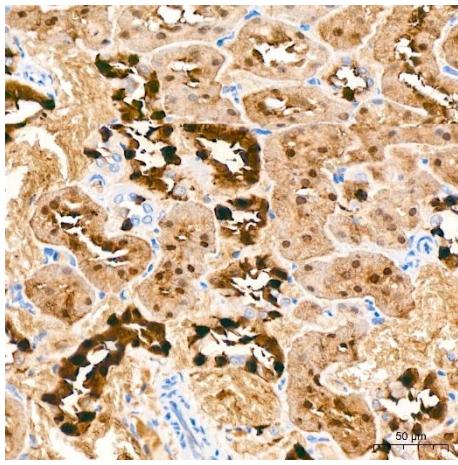
Immunohistochemistry analysis of paraffin-embedded Human colon tissue using Carbonic Anhydrase 2 Rabbit mAb (CAB9148) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse kidney tissue using Carbonic Anhydrase 2 Rabbit mAb (CAB9148) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat brain tissue using Carbonic Anhydrase 2 Rabbit mAb (CAB9148) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat kidney tissue using Carbonic Anhydrase 2 Rabbit mAb (CAB9148) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.