

CA1 / Carbonic Anhydrase I Antibody
Goat Polyclonal Antibody
Catalog # ALS13109**Specification**

CA1 / Carbonic Anhydrase I Antibody - Product Information

Application	IHC, WB
Primary Accession	P00915
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Calculated MW	29kDa kDa

CA1 / Carbonic Anhydrase I Antibody - Additional Information**Gene ID** 759**Other Names**

Carbonic anhydrase 1, 4.2.1.1, Carbonate dehydratase I, Carbonic anhydrase B, CAB, Carbonic anhydrase I, CA-I, CA1

Target/Specificity

Human CA1 / Carbonic Anhydrase I. Reported variants represent identical protein: NP_001729.1, NP_001122303.1, NP_001122302.1, NP_001122301.1.

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

Precautions

CA1 / Carbonic Anhydrase I Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

CA1 / Carbonic Anhydrase I Antibody - Protein Information**Name** CA1**Function**

Catalyzes the reversible hydration of carbon dioxide (PubMed:10550681, PubMed:18618712, PubMed:16807956, PubMed:16686544, PubMed:17127057, PubMed:19186056, PubMed:19206230, PubMed:16506782, PubMed:17314045, PubMed:17407288). Can hydrate

cyanamide to urea (PubMed:10550681).

Cellular Location

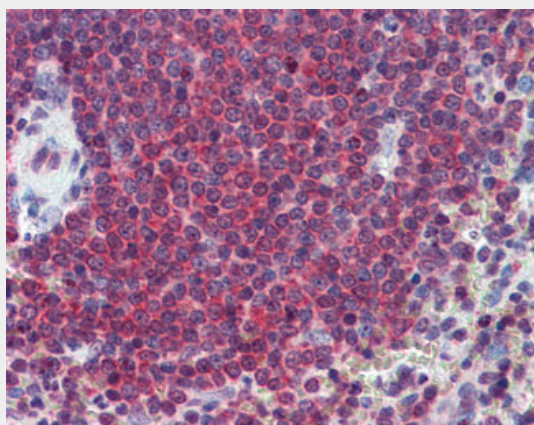
Cytoplasm {ECO:0000250|UniProtKB:B0BNN3}.

CA1 / Carbonic Anhydrase I Antibody - Protocols

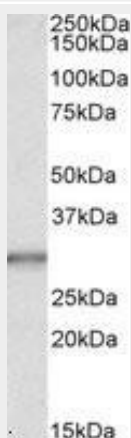
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CA1 / Carbonic Anhydrase I Antibody - Images



Anti-CA1 / Carbonic Anhydrase I antibody IHC of human spleen.



Staining (0.03 ug/ml) of Human Liver lysate (35 ug protein in RIPA buffer).

CA1 / Carbonic Anhydrase I Antibody - Background

Reversible hydration of carbon dioxide. Can hydrates cyanamide to urea.

CA1 / Carbonic Anhydrase I Antibody - References

Barlow J.H.,et al.Nucleic Acids Res. 15:2386-2386(1987).

Lowe N.,et al.Gene 93:277-283(1990).

Giraud N.,et al.Biochimie 56:1031-1043(1974).

Andersson B.,et al.Biochem. Biophys. Res. Commun. 48:670-677(1972).

Lin K.-T.D.,et al.J. Biol. Chem. 248:1885-1893(1973).