

CA1 / Carbonic Anhydrase I Antibody (clone 9D6D7)
Mouse Monoclonal Antibody
Catalog # ALS13011**Specification**

CA1 / Carbonic Anhydrase I Antibody (clone 9D6D7) - Product Information

Application	IHC
Primary Accession	P00915
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	29kDa KDa

CA1 / Carbonic Anhydrase I Antibody (clone 9D6D7) - 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

Reconstitution & Storage

Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

Precautions

CA1 / Carbonic Anhydrase I Antibody (clone 9D6D7) is for research use only and not for use in diagnostic or therapeutic procedures.

CA1 / Carbonic Anhydrase I Antibody (clone 9D6D7) - 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:<a href="http://www.uniprot.org/citations/10550681"

target="_blank">10550681).

Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:B0BNN3}.

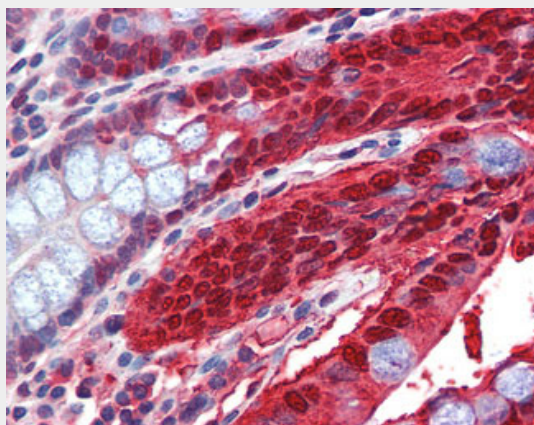
Volume

50 μ l

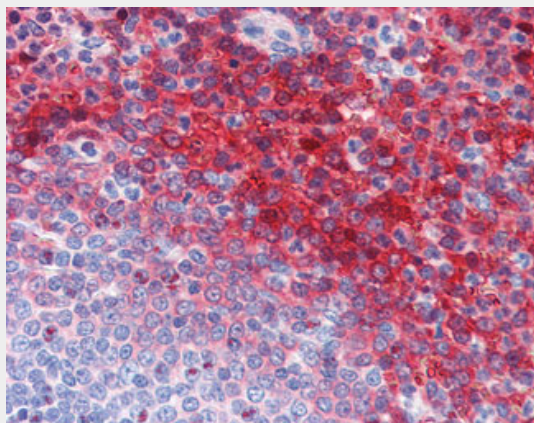
CA1 / Carbonic Anhydrase I Antibody (clone 9D6D7) - Protocols

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 (clone 9D6D7) - Images

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



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

CA1 / Carbonic Anhydrase I Antibody (clone 9D6D7) - Background

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

CA1 / Carbonic Anhydrase I Antibody (clone 9D6D7) - 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).