

# Product Datasheet

## Carbonic Anhydrase I/CA1 Antibody - BSA Free NB120-6619-0.1mg

Unit Size: 0.1 mg

Store lyophilized antibody at 4C. Aliquot reconstituted liquid and store at -20C. Avoid freeze-thaw cycles.

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**NB120-6619-0.1mg**

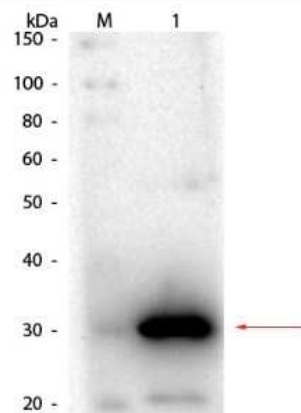
Carbonic Anhydrase I/CA1 Antibody - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	LYOPH mg/ml
Storage	Store lyophilized antibody at 4C. Aliquot reconstituted liquid and store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.01% Sodium Azide
Reconstitution Instructions	Reconstitute with 100 ul deionized water (or equivalent)
Isotype	IgG
Purity	Multi-step
Buffer	Lyophilized from 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Product Description	
Description	<p>This antibody is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Goat Serum as well as purified and partially purified Carbonic Anhydrase I [Human Erythrocytes]</p> <p>Store vial at 4C prior to restoration. For extended storage aliquot contents and freeze at -20C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4C as an undiluted liquid. Dilute only prior to immediate use.</p>
Host	Goat
Gene ID	759
Gene Symbol	CA1
Species	Human
Reactivity Notes	Cross reactivity against Carbonic Anhydrase I/CA1 from other tissues and species may occur but have not been specifically determined.
Specificity/Sensitivity	Cross reactivity against Carbonic Anhydrase I/CA1 from other tissues and species may occur but have not been specifically determined.
Immunogen	Carbonic Anhydrase I/CA1/CA1 [Human Erythrocytes] (Uniprot: P00915)
Product Application Details	
Applications	Western Blot, ELISA, Immunohistochemistry
Recommended Dilutions	Western Blot 1:500-1:2000, ELISA 1:2000-1:20000, Immunohistochemistry 10ug/ml
Application Notes	This product has been tested in western blot and immunohistochemistry and is suitable in ELISA. Specific conditions for reactivity should be optimized by the end user.

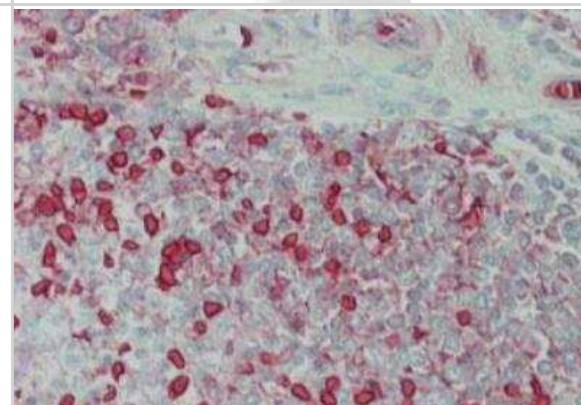


## Images

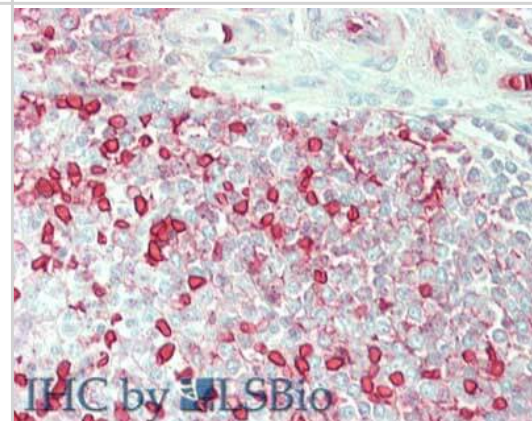
Western Blot: Carbonic Anhydrase I/CA1 Antibody [NB120-6619] - Lane 1: Carbonic Anhydrase I. Load: 50 ng per lane. Primary antibody: Carbonic Anhydrase I antibody at 1:1,000 overnight at 4C. Secondary antibody: HRP goat secondary antibody at 1:40,000 for 30 min at RT. Block: incubated with blocking buffer for 30 min at RT. Predicted/Observed size: 29 kDa, 29 kDa for Carbonic Anhydrase I.



Immunohistochemistry: Carbonic Anhydrase I/CA1 Antibody [NB120-6619] - Tissue: spleen. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Incubated at 5 ug/mL for 1 h at RT.



Immunohistochemistry of Carbonic Anhydrase I/CA1 Antibody. Tissue: human spleen. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: anti-Carbonic Anhydrase I antibody at 5 ug/mL for 1 h at RT. Secondary antibody: Peroxidase goat secondary antibody at 1:10,000 for 45 min at RT. Staining: Carbonic Anhydrase 1 as precipitated red signal with hematoxylin purple nuclear counterstain.





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### **Products Related to NB120-6619-0.1mg**

NBL1-08609	Carbonic Anhydrase I/CA1 Overexpression Lysate
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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