

# Product Datasheet

## Carbonic Anhydrase I/CA1 Antibody [HRP] NB600-942-0.1mg

Unit Size: 0.1 mg

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

[www.novusbio.com](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NB600-942](http://www.novusbio.com/NB600-942)

Updated 10/23/2024 v.20.1

Earn rewards for product  
reviews and publications.

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/NB600-942](http://www.novusbio.com/reviews/destination/NB600-942)



**NB600-942-0.1mg****Carbonic Anhydrase I/CA1 Antibody [HRP]**

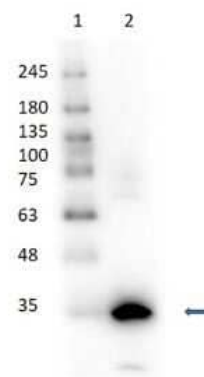
<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	LYOPH mg/ml
<b>Storage</b>	Store lyophilized antibody at 4C in the dark. Aliquot reconstituted liquid and store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.01% Gentamicin Sulfate
<b>Reconstitution Instructions</b>	Reconstitute with 100 ul deionized water (or equivalent)
<b>Isotype</b>	IgG
<b>Conjugate</b>	HRP
<b>Purity</b>	Multi-step
<b>Buffer</b>	Lyophilized from 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free

<b>Product Description</b>	
<b>Description</b>	<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> <p>Carbonic Anhydrase I 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-Peroxidase, anti-Goat Serum as well as purified and partially purified Carbonic Anhydrase I [Human Erythrocytes ]</p>
<b>Host</b>	Goat
<b>Gene ID</b>	759
<b>Gene Symbol</b>	CA1
<b>Species</b>	Human
<b>Reactivity Notes</b>	Cross reactivity against Carbonic Anhydrase I/CA1 from other tissues and species may occur but have not been specifically determined.
<b>Specificity/Sensitivity</b>	Cross reactivity against Carbonic Anhydrase I/CA1 from other tissues and species may occur but have not been specifically determined.
<b>Immunogen</b>	Carbonic Anhydrase I/CA1/CA1 [Human Erythrocytes] (Uniprot: P00915)

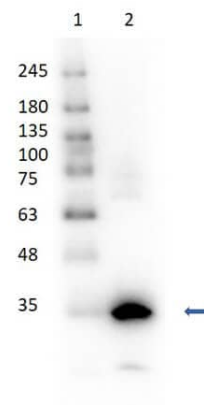
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1:1000-1:5000, ELISA 1:5000-1:20000, Immunohistochemistry 1:500-1:2500, Immunohistochemistry-Paraffin 1:10-1:500
<b>Application Notes</b>	<p>This product is tested by ELISA and western blot and useful in immunohistochemistry. Optimal titers should be obtained by researchers.</p> <p>NOTE: Do NOT add Sodium Azide (it inhibits HRP irreversibly).</p>

## Images

Western Blot: Carbonic Anhydrase I/CA1 Antibody [HRP] [NB600-942] - Western Blot of Goat Carbonic Anhydrase I/CA1/CA1 antibody [HRP]. Lane 1: Opal Prestained Molecular Weight. Lane 2: Carbonic Anhydrase I/CA1 [10ug]. Primary antibody: Anti-Carbonic Anhydrase I/CA1 HRP Antibody at 1:1000 for 1 hr at RT. Secondary antibody: Streptavidin-HRP antibody at 1:40,000 for 30mins at RT. Blocking buffer Predicted/Observed size: ~29kDa.



Western Blot of Carbonic Anhydrase I/CA1 Antibody [HRP]. Lane 1: Opal Prestained Molecular Weight





### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NB600-942-0.1mg**

---

NBL1-08609	Carbonic Anhydrase I/CA1 Overexpression Lysate
NBP1-96886	Goat IgG Isotype Control [HRP]
NBP1-88191PEP	Carbonic Anhydrase I/CA1 Recombinant Protein Antigen
DBD00	BDNF [HRP]

---

### **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.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/NB600-942](http://www.novusbio.com/reviews/submit/NB600-942)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)

