

Product Datasheet

Carbonic Anhydrase II/CA2 Antibody [Biotin] NB200-607-0.1mg

Unit Size: 0.1 mg

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

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NB200-607-0.1mg

Carbonic Anhydrase II/CA2 Antibody [Biotin]

Product Information	
Unit Size	0.1 mg
Concentration	LYOPH mg/ml
Storage	Store lyophilized antibody at 4C in the dark. 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
Conjugate	Biotin
Purity	Multi-step
Buffer	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

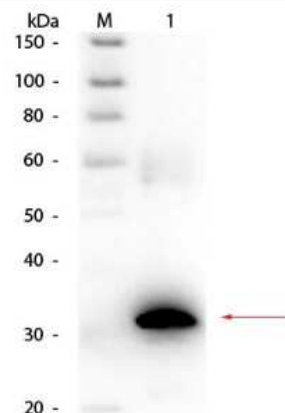
Product Description	
Description	<p>Store vial at 4C prior to restoration. For extended storage aliquot contents and freeze at -20C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4C as an undiluted liquid. Dilute only prior to immediate use.</p> <p>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-Biotin, anti-Rabbit Serum as well as purified and partially purified Carbonic Anhydrase II [Human Erythrocytes]</p>
Host	Rabbit
Gene ID	760
Gene Symbol	CA2
Species	Human, Mouse
Reactivity Notes	Cross reactivity against Carbonic Anhydrase II/CA2 from other tissues and species may occur but have not been specifically determined.
Specificity/Sensitivity	Cross reactivity against Carbonic Anhydrase II/CA2 from other tissues and species may occur but have not been specifically determined.
Immunogen	Carbonic Anhydrase II/CA2 Antibody was produced by repeated immunizations with human erythrocytes Carbonic Anhydrase II/CA2. (Uniprot: P00918)

Product Application Details	
Applications	Western Blot, ELISA
Recommended Dilutions	Western Blot 1:500-1:2500, ELISA 1:2000-1:10000
Application Notes	This product has been tested by ELISA and western blot and is assayed against 1.0 ug of Carbonic Anhydrase II in a standard capture ELISA using Peroxidase Conjugated Streptavidin and ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) as a substrate for 30 minutes at room temperature. A working dilution of 1:4,000 to 1:20,000 of the reconstitution concentration is suggested for this product.

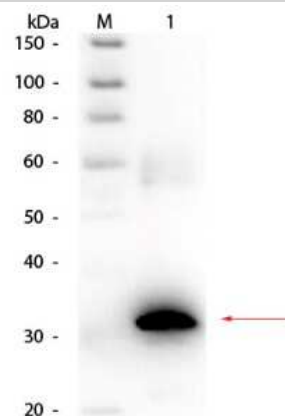


Images

Western Blot: Carbonic Anhydrase II/CA2 Antibody [Biotin] [NB200-607]
 - Lane 1: Carbonic Anhydrase II. Load: 50 ng per lane. Primary antibody: Rabbit anti-Carbonic Anhydrase II Antibody Biotin Conjugated at 1:1,000 overnight at 4C. Secondary antibody: HRP streptavidin 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, 32 kDa for Carbonic Anhydrase II.



Western Blot: Carbonic Anhydrase II/CA2 Antibody [Biotin] [NB200-607]
 - Lane 1: Carbonic Anhydrase II. Load: 50 ng per lane. Primary antibody: Rabbit anti-Carbonic Anhydrase II Antibody Biotin Conjugated at 1:1,000 overnight at 4C. Secondary antibody: HRP streptavidin 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, 32 kDa for Carbonic Anhydrase II.





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Products Related to NB200-607-0.1mg

NBP2-29370	Streptavidin Native Protein
NBL1-08615	Carbonic Anhydrase II/CA2 Overexpression Lysate
NBP2-24891B	Rabbit IgG Isotype Control [Biotin]
NBP2-52240-0.02mg	Recombinant E. coli Carbonic Anhydrase II/CA2 His Protein

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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