

# Product Datasheet

## Carbonic Anhydrase IX/CA9 Antibody (2D3) - Azide and BSA Free NBP2-80611

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP2-80611**

Carbonic Anhydrase IX/CA9 Antibody (2D3) - Azide and BSA Free

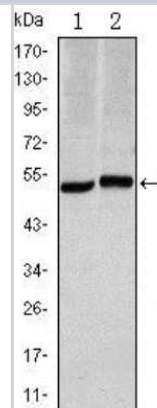
Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	2D3
Preservative	No Preservative
Isotype	IgG1
Purity	Protein A or G purified
Buffer	PBS
Target Molecular Weight	50 kDa

Product Description	
Host	Mouse
Gene ID	768
Gene Symbol	CA9
Species	Human, Mouse
Immunogen	This Carbonic Anhydrase IX/CA9 Antibody (2D3) was made to a purified recombinant fragment of human Carbonic Anhydrase IX expressed in E. coli [UniProt# Q16790].

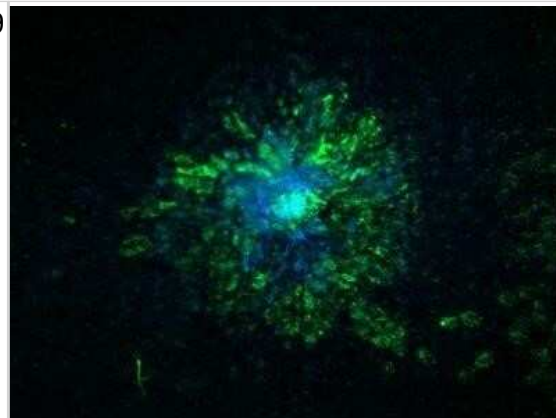
Product Application Details	
Applications	Western Blot, ELISA, Flow Cytometry, Flow (Intracellular), Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready
Recommended Dilutions	Western Blot 1:2000, Flow Cytometry 1:200 - 1:400, ELISA 1:10000, Immunohistochemistry 1:10 - 1:500, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 1:200 - 1:1000, Flow (Intracellular) 1 ug/ml, CyTOF-ready
Application Notes	The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors.

**Images**

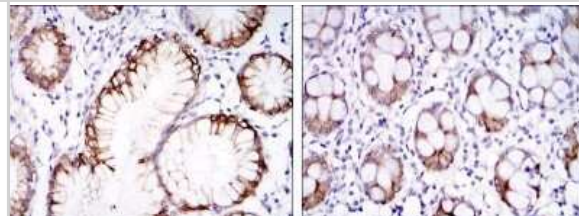
Western Blot: Carbonic Anhydrase IX/CA9 Antibody (2D3) - Azide and BSA Free [NBP2-80611] - Carbonic Anhydrase IX mouse antibody against Hela (1) and A549 (2) cell lysates. Bands were detected at a molecular weight of approximately 50 kDa in both cell lines. Image from the standard format of this antibody.



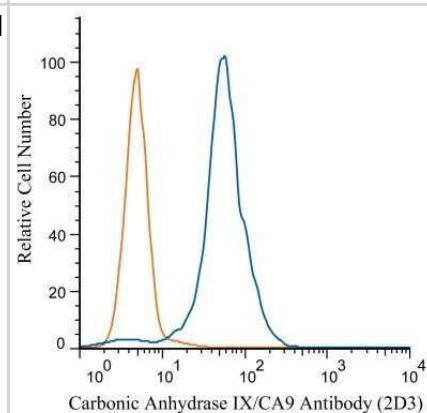
Immunocytochemistry/Immunofluorescence: Carbonic Anhydrase IX/CA9 Antibody (2D3) - Azide and BSA Free [NBP2-80611] - Mouse choroid stained with anti-Carbonic Anhydrase IX antibody. Image from verified customer review. Image from the standard format of this antibody.



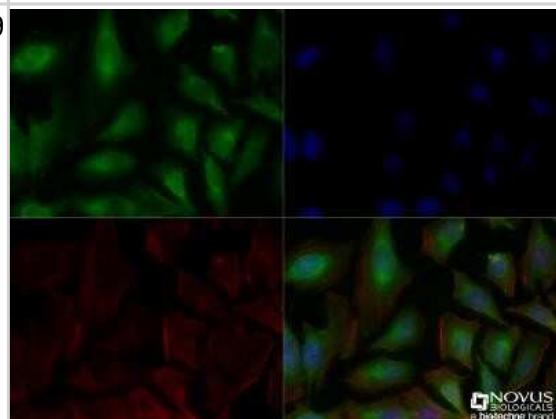
Immunohistochemistry-Paraffin: Carbonic Anhydrase IX/CA9 Antibody (2D3) - Azide and BSA Free [NBP2-80611] - Paraffin-embedded lung tissues (left) and colonic tissues (right) using Carbonic Anhydrase IX mouse antibody with DAB staining. Image from the standard format of this antibody.



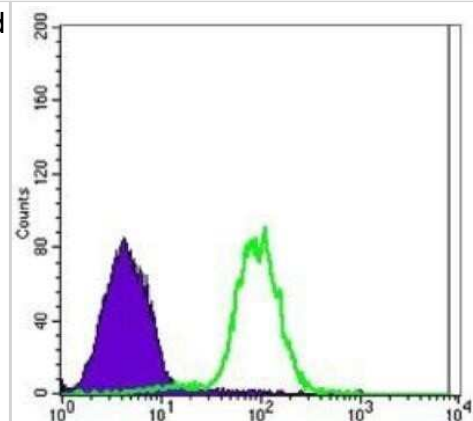
Flow Cytometry: Carbonic Anhydrase IX/CA9 Antibody (2D3) - Azide and BSA Free [NBP2-80611] - A surface stain was performed on A431 cells with Carbonic Anhydrase IX/CA9 NBP1-51691 (blue) and a matched isotype control NBP2-27287 (orange). Cells were incubated in an antibody dilution of 1 ug/mL for 20 minutes at room temperature, followed by Dylight488-conjugated anti-mouse secondary antibody. Image from the standard format of this antibody.



Immunocytochemistry/Immunofluorescence: Carbonic Anhydrase IX/CA9 Antibody (2D3) - Azide and BSA Free [NBP2-80611] - HeLa cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X TBS + 0.5% Triton X-100. The cells were incubated with anti-CA9 (2D3) [NBP1-51691] at a 1:200 dilution overnight at 4C and detected with an anti-mouse Dylight 488 (Green) at a 1:500 dilution. Actin was detected with Phalloidin 568 (Red) at a 1:200 dilution. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective. Image from the standard format of this antibody.



Flow Cytometry: Carbonic Anhydrase IX/CA9 Antibody (2D3) - Azide and BSA Free [NBP2-80611] - Analysis of NTERA-2 cells using Carbonic Anhydrase IX mouse mAb (green) and negative control (purple). Image from the standard format of this antibody.





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### **Products Related to NBP2-80611**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NB100-417PEP	Carbonic Anhydrase IX/CA9 Antibody Blocking Peptide

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### **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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