

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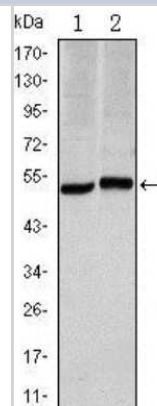
**NBP2-80611****Carbonic Anhydrase IX/CA9 Antibody (2D3) - Azide and BSA Free**

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	2D3
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG1
<b>Purity</b>	Protein A or G purified
<b>Buffer</b>	PBS
<b>Target Molecular Weight</b>	50 kDa
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Mouse Carbonic Anhydrase IX/CA9 Antibody (2D3) - Azide and BSA Free (NBP1-51691) is a monoclonal antibody validated for use in IHC, WB, ELISA, Flow and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	768
<b>Gene Symbol</b>	CA9
<b>Species</b>	Human, Mouse
<b>Immunogen</b>	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].
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, ELISA, Flow Cytometry, Flow (Intracellular), Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, CyTOF-ready
<b>Recommended Dilutions</b>	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
<b>Application Notes</b>	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.

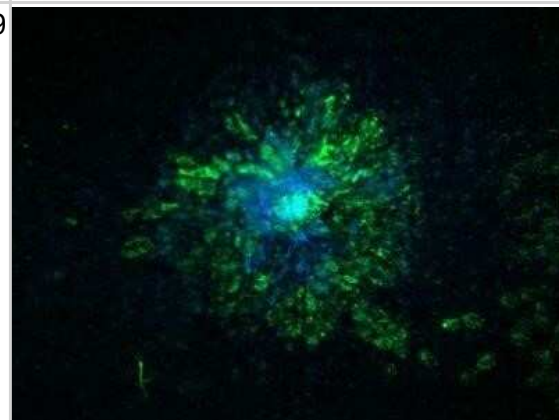


## Images

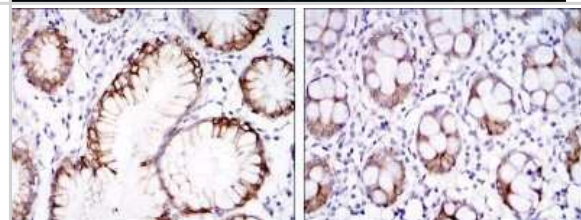
Western Blot: Carbonic Anhydrase IX/CA9 Antibody (2D3) - Azide and BSA Free [NBP2-80611] - Carbonic Anhydrase IX mouse antibody against Hela (1) and A549 (2) cell lysates. Bands were detected at a molecular weight of approximately 50 kDa in both cell lines. Image from the standard format of this antibody.



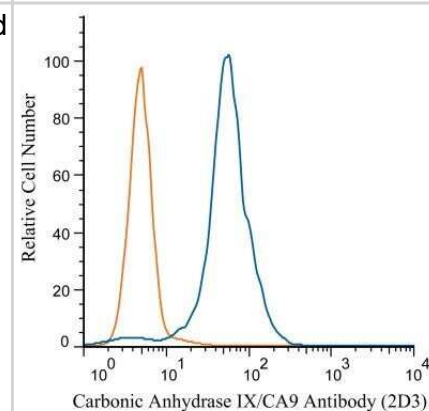
Immunocytochemistry/Immunofluorescence: Carbonic Anhydrase IX/CA9 Antibody (2D3) - Azide and BSA Free [NBP2-80611] - Mouse choroid stained with anti-Carbonic Anhydrase IX antibody. Image from verified customer review. Image from the standard format of this antibody.



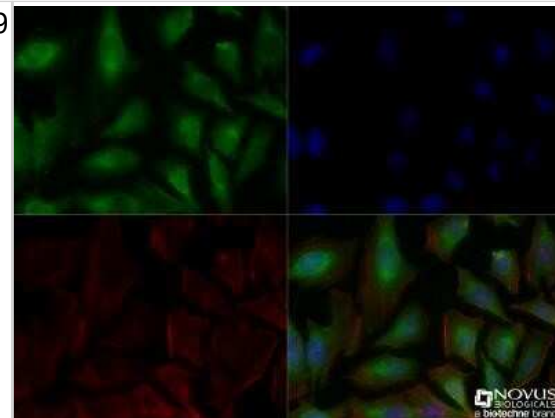
Immunohistochemistry-Paraffin: Carbonic Anhydrase IX/CA9 Antibody (2D3) - Azide and BSA Free [NBP2-80611] - Paraffin-embedded lung tissues (left) and colonic tissues (right) using Carbonic Anhydrase IX mouse antibody with DAB staining. Image from the standard format of this antibody.



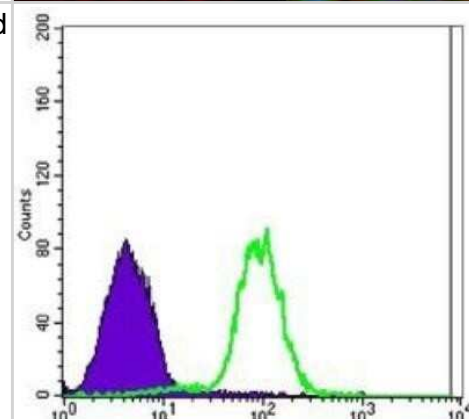
Flow Cytometry: Carbonic Anhydrase IX/CA9 Antibody (2D3) - Azide and BSA Free [NBP2-80611] - A surface stain was performed on A431 cells with Carbonic Anhydrase IX/CA9 NBP1-51691 (blue) and a matched isotype control NBP2-27287 (orange). Cells were incubated in an antibody dilution of 1 ug/mL for 20 minutes 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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