

# Product Datasheet

## Carbonic Anhydrase IX/CA9 Antibody [Biotin] NB100-417B

Unit Size: 0.1 ml

Store at 4C in the dark.

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

### Publications: 2

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Updated 10/23/2024 v.20.1

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**NB100-417B**

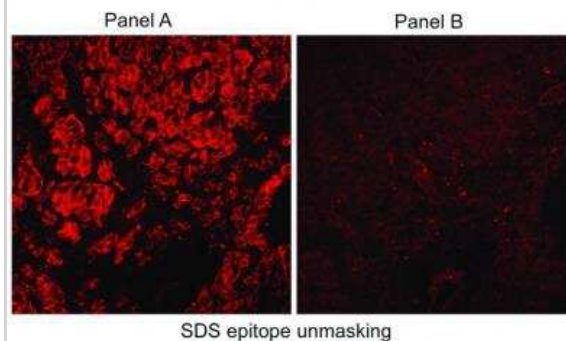
Carbonic Anhydrase IX/CA9 Antibody [Biotin]

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C in the dark.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG
<b>Conjugate</b>	Biotin
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS
<b>Product Description</b>	
<b>Host</b>	Rabbit
<b>Gene ID</b>	768
<b>Gene Symbol</b>	CA9
<b>Species</b>	Human, Mouse, Rat, Plant
<b>Marker</b>	Hypoxia Marker
<b>Immunogen</b>	This Carbonic Anhydrase IX/CA9 Antibody was made from a synthetic peptide from the C-terminal sequence of human Carbonic Anhydrase IX (within residues 400-459) [UniProt# Q16790].
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Simple Western, ELISA, Flow Cytometry, Gel Super Shift Assays, Immunoblotting, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunoprecipitation, Microarray, Proximity Ligation Assay, Chromatin Immunoprecipitation (ChIP), Dual RNAscope ISH-IHC
<b>Recommended Dilutions</b>	Western Blot, Simple Western, Flow Cytometry, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen, Immunoblotting, Gel Super Shift Assays, Proximity Ligation Assay, Microarray, Chromatin Immunoprecipitation (ChIP), Dual RNAscope ISH-IHC
<b>Application Notes</b>	Optimal dilution of this antibody should be experimentally determined.

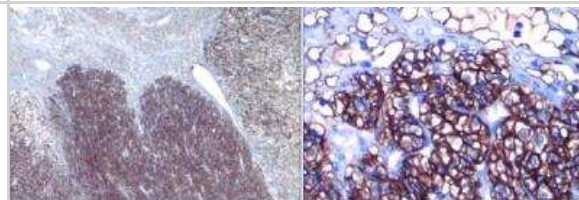


## Images

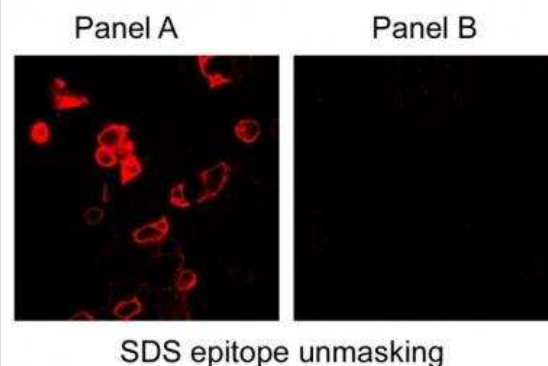
Human RCC tumor cryosections using NB100-417 (Panel A). Panel B shows staining with normal rabbit serum.



Renal carcinoma tissue stained with polyclonal carbonic anhydrase IX, NB 100-417.



HEK 293 cells using NB100-417. Panel A shows CAIX-transfected cells (epitope-unmasked with SDS) and panel B shows mock transfected cells.



## Publications

Heijmen L, Voert EGW, Punt CJA. Monitoring hypoxia and vasculature during bevacizumab treatment in a murine colorectal cancer model. *Contrast Media Mol Imaging* 2014-05-01 [PMID: 24700751] (IHC-Fr, Human)

Details:  
Using the Biotin conjugated version of NB100-417, catalog number NB100-417B.

Heijmen L, Punt CJ, Ter Voert EG et al. Monitoring the effects of bevacizumab beyond progression in a murine colorectal cancer model: a functional imaging approach. *Invest New Drugs* 2013-01-17 [PMID: 23325291] (ICC/IF, IF/IHC, Mouse)

Details:  
Using the Biotin conjugated version of NB100-417, catalog number NB100-417B.



### **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 NB100-417B**

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NBP2-29370	Streptavidin Native Protein
NBL1-08619	Carbonic Anhydrase IX/CA9 Overexpression Lysate
NBP2-24891B	Rabbit IgG Isotype Control [Biotin]
NB100-417G	Carbonic Anhydrase IX/CA9 Antibody [DyLight 488]

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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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