

# Product Datasheet

## Carbonic Anhydrase III/CA3 Antibody - BSA Free NBP1-88228

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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### Publications: 1

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**NBP1-88228**

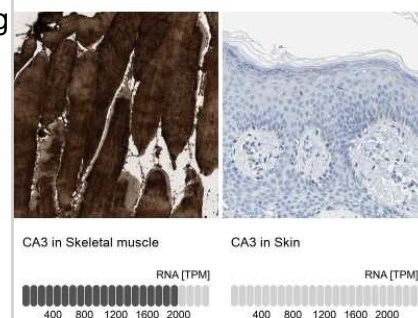
Carbonic Anhydrase III/CA3 Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol
Product Description	
Description	Novus Biologicals Rabbit Carbonic Anhydrase III/CA3 Antibody - BSA Free (NBP1-88228) is a polyclonal antibody validated for use in IHC and WB. Anti-Carbonic Anhydrase III/CA3 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	761
Gene Symbol	CA3
Species	Human
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: Mouse (89%), Rat (89%). Reactivity reported in scientific literature (PMID: 24743550)
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: DHWHELFPNAKGENQSPVELHTKDIRHDPQLPWSVSYDGGS AKTILNNGKT CRVVFDDTYDRSMLRGGPLPGPYR
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:200 - 1:500, Immunohistochemistry-Paraffin 1:200 - 1:500
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.



## Images

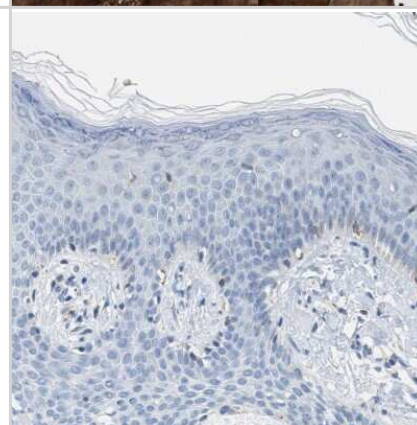
Immunohistochemistry-Paraffin: Carbonic Anhydrase III/CA3 Antibody [NBP1-88228] - Staining in human skeletal muscle and skin tissues using anti-CA3 antibody. Corresponding CA3 RNA-seq data are presented for the same tissues.



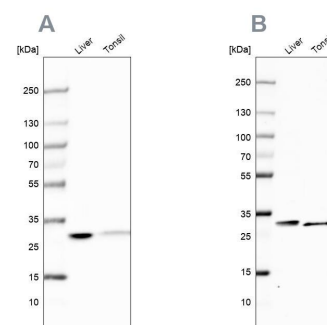
Immunohistochemistry-Paraffin: Carbonic Anhydrase III/CA3 Antibody [NBP1-88228] - Staining of human skeletal muscle shows high expression.



Immunohistochemistry-Paraffin: Carbonic Anhydrase III/CA3 Antibody [NBP1-88228] - Staining of human skin shows low expression as expected.



Analysis using Anti-CA3 antibody NBP1-88228 (A) shows similar pattern to independent antibody NBP1-88227 (B).



## Publications

Bachmann J, Burte F, Pramana S et al. Affinity Proteomics Reveals Elevated Muscle Proteins in Plasma of Children with Cerebral Malaria. PLoS Pathog 2014-04-01 [PMID: 24743550]



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### **Products Related to NBP1-88228**

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NBP1-88228PEP	Carbonic Anhydrase III/CA3 Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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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