

Product Datasheet

SERCA2 ATPase Antibody - BSA Free NBP1-59203

Unit Size: 100 ul

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

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NBP1-59203

SERCA2 ATPase Antibody - BSA Free

Product Information	
Unit Size	100 ul
Concentration	0.5 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS, 2% Sucrose
Target Molecular Weight	115 kDa

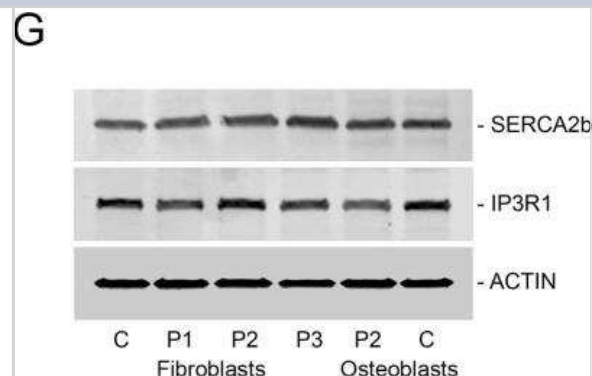
Product Description	
Description	The addition of 50% glycerol is optional for those storing this antibody at -20C and not aliquoting smaller units. However, please note that glycerol may interrupt some downstream antibody applications and should be added with caution.
Host	Rabbit
Gene ID	488
Gene Symbol	ATP2A2
Species	Human, Mouse, Monkey
Immunogen	Synthetic peptides corresponding to ATP2A2(ATPase, Ca ⁺⁺ transporting, cardiac muscle, slow twitch 2) The peptide sequence was selected from the C terminal of ATP2A2. Peptide sequence VNLVTDGLPATALGFNPPDLIMNKPPRNPKEPLISGWLFFRYLAIGCYV. The peptide sequence for this immunogen was taken from within the described region.

Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1.0 ug/ml, Immunohistochemistry, Immunohistochemistry-Paraffin

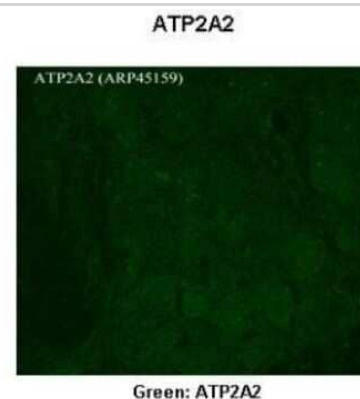


Images

Western Blot: SERCA2 ATPase Antibody [NBP1-59203] - (G)
Immunoblots of control (C) and proband (P1, P2, P3) cell lysates demonstrate equivalent levels of SERCA2b and IP3R1 Ca²⁺ channels using rabbit anti-SERCA2 (Novus Biologicals; NBP1-59203) and rabbit anti-IP3R1 (Novus Biologicals; NB120-5908). Image collected and cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/27441836>) licensed under a CC-BY license.



Immunohistochemistry: SERCA2 ATPase Antibody [NBP1-59203] - Rhesus macaque spinal cord Primary Antibody Dilution: 1 : 300 Secondary Antibody: Donkey anti Rabbit 488 Secondary Antibody Dilution: 1 : 500 Color/Signal Descriptions: Green: ATP2A2 Gene name: APLP2 Submitted by: Timur Mavlyutov, Ph. D. , Department of Pharmacology, University of Wisconsin Medical School, 1300 University Avenue, Madison, WI 53706.



Western Blot: SERCA2 ATPase Antibody [NBP1-59203] - Human MCF-7. Titration: 0.2-1 ug/ml, Positive Control: MCF7 cell lysate.



Publications

Cabral WA, Ishikawa M, Garten M et al. Absence of the ER Cation Channel TMEM38B/TRIC-B Disrupts Intracellular Calcium Homeostasis and Dysregulates Collagen Synthesis in Recessive Osteogenesis Imperfecta. PLoS Genet 2016-07-01 [PMID: 27441836] (WB)



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Products Related to NBP1-59203

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-57446PEP	SERCA2 ATPase Recombinant Protein Antigen

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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