

# Product Datasheet

## TRPM7 Antibody - Azide and BSA Free NBP1-20224

Unit Size: 0.5 mg

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

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### Publications: 3

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**NBP1-20224**

TRPM7 Antibody - Azide and BSA Free

Product Information	
Unit Size	0.5 mg
Concentration	LYOPH mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	No Preservative
Reconstitution Instructions	Reconstitute 0.5 mg size in 0.5 ml of sterile water. Centrifuge to remove any insoluble material. Glycerol may be added (1:1) for additional stability. Please note the 0.1 mg size is provided in reconstituted format.
Isotype	IgG
Purity	Ammonium sulfate precipitation
Buffer	Lyophilized from PBS

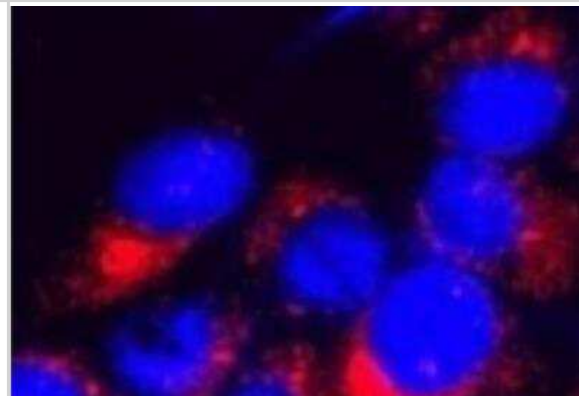
Product Description	
Description	Novus Biologicals Rabbit TRPM7 Antibody - Azide and BSA Free (NBP1-20224) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-TRPM7 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	54822
Gene Symbol	TRPM7
Species	Human, Rat
Immunogen	A synthetic peptide from the 4th cytoplasmic loop of human TRPM7 conjugated to an immunogenic carrier protein was used as the immunogen.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 10-50 ug/ml, Immunohistochemistry 10-50 ug/ml, Immunocytochemistry/ Immunofluorescence 30 ug/ml, Immunohistochemistry-Paraffin 10-50 ug/ml

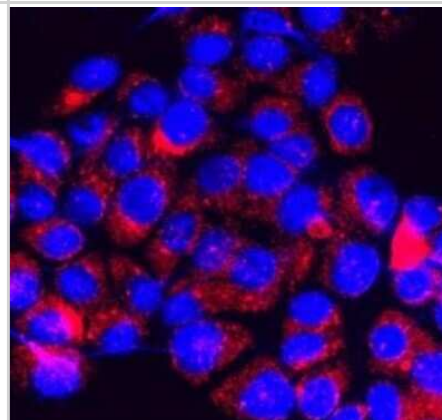


## Images

Immunocytochemistry/Immunofluorescence: TRPM7 Antibody [NBP1-20224] - PC12 cells at a concentration of 30 ug/ml using Rabbit antibody to 4th cytoplasmic loop of human TRPM7 (LTRPC7): IgG , DAPI counterstained.



Immunocytochemistry/Immunofluorescence: TRPM7 Antibody [NBP1-20224] - IF on PC12 cells at a concentration of 30 ug/ml using Rabbit antibody to 4th cytoplasmic loop of human TRPM7 (LTRPC7): IgG , DAPI counterstained appearing in blue.



## Publications

Andriul? I, Pangonyt? D, Gwanyanya A et al. Detection of TRPM6 and TRPM7 Proteins in Normal and Diseased Cardiac Atrial Tissue and Isolated Cardiomyocytes International Journal of Molecular Sciences 2022-11-28 [PMID: 36499188] (Western Blot)

Andriule I, Pangonyte D, Almanaityte M Et Al. Evidence for the expression of TRPM6 and TRPM7 in cardiomyocytes from all four chamber walls of the human heart Scientific reports 2021-07-29 [PMID: 34326388] (IF/IHC)

Yang Y, Cai Y, Zhang Y et al. Exosomes Secreted by Adipose-Derived Stem Cells Contribute to Angiogenesis of Brain Microvascular Endothelial Cells Following Oxygen-Glucose Deprivation In Vitro Through MicroRNA-181b/TRPM7 Axis J. Mol. Neurosci. 2018-05-01 [PMID: 29705934] (WB)



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### **Products Related to NBP1-20224**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
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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