

# Product Datasheet

## IP3R1 Antibody NB120-5908

Unit Size: 100uL

Store at -20C. Avoid freeze-thaw cycles.

[www.novusbio.com](http://www.novusbio.com)



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**NB120-5908**

## IP3R1 Antibody

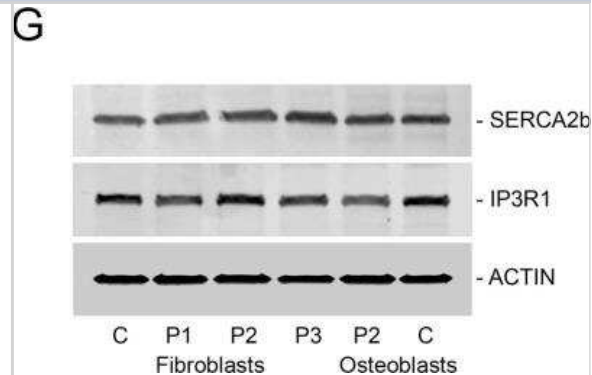
Product Information	
Unit Size	100uL
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Unpurified
Buffer	Whole serum diluted in PBS

Product Description	
Description	Novus Biologicals Rabbit IP3R1 Antibody (NB120-5908) is a polyclonal antibody validated for use in WB and ICC/IF. Anti-IP3R1 Antibody: Cited in 6 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	3708
Gene Symbol	ITPR1
Species	Human, Mouse, Rat
Reactivity Notes	Human reactivity reported by a customer review. Mouse reactivity reported in scientific literature (PMID: 19382908). Rat reactivity reported in scientific literature (PMID: 12767046).
Specificity/Sensitivity	IP3R1
Immunogen	Synthetic peptide corresponding to residues N(1829) K K K D D E V D R D A P S R K K A K E(1848) of human IP3 Receptor Type I.

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 1:100 - 1:2000, Immunocytochemistry/ Immunofluorescence 1:10 - 1:500
Application Notes	WB: Detects an approx. 240 - 260 kDa protein representing IP3R-I from rat and mouse brain extract.

**Images**

Western Blot: IP3R1 Antibody [NB120-5908] - G) Immunoblots of control (C) and proband (P1, P2, P3) cell lysates demonstrate equivalent levels of SERCA2b and IP3R1 Ca<sup>2+</sup> 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.



## Publications

Ahmed M. O. Elbatsh, Ali Amin-Mansour, Anne Haberkorn, Claudia Textor, Nicolas Ebel, Emilie Renard, Lisa M. Koch, Femke C. Groenveld, Michelle Piquet, Ulrike Naumann, David A. Ruddy, Vincent Romanet, Julia M. Martínez Gómez, Matthew D. Shirley, Peter Wipfli, Christian Schnell, Markus Wartmann, Martin Rausch, Martine J. Jager, Mitchell P. Levesque, Sauveur-Michel Maira, Eusebio Manchado INPP5A phosphatase is a synthetic lethal target in GNAQ and GNA11-mutant melanomas *Nature Cancer* 2024-01-17 [PMID: 38233483]

Rojas ML, Muñoz JP, Flores-Martín J et al. StarD7 deficiency switches on glycolysis and promotes mitophagy flux in C2C12 myoblasts *The FEBS journal* 2023-10-16 [PMID: 37846201]

Del Bondio, A;Longo, F;De Ritis, D;Spirito, E;Podini, P;Brais, B;Bachi, A;Quattrini, A;Maltecca, F; Restoring calcium homeostasis in Purkinje cells arrests neurodegeneration and neuroinflammation in the ARSACS mouse model *JCI insight* 2023-05-09 [PMID: 37159335] (Western Blot, Mouse)

Bononi A, Giorgi C, Patergnani S et al. BAP1 regulates IP3R3-mediated Ca(2+) flux to mitochondria suppressing cell transformation. *Nature*. 2017-06-22 [PMID: 28614305] (ICC/IF)

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]

Harr MW, McColl KS, Zhong F et al. Glucocorticoids downregulate Fyn and inhibit IP(3)-mediated calcium signaling to promote autophagy in T lymphocytes *Autophagy* 2010-10-01 [PMID: 20814235] (WB, Mouse)





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### **Products Related to NB120-5908**

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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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