

# Product Datasheet

## P2X7/P2RX7 Antibody NBP1-20180

Unit Size: 0.1 ml

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

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



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

### Publications: 2

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**NBP1-20180****P2X7/P2RX7 Antibody**

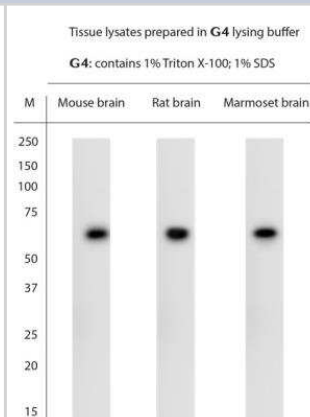
<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	This product is unpurified. The exact concentration of antibody is not quantifiable.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	No Preservative
<b>Reconstitution Instructions</b>	Reconstitute in 0.1 ml of sterile water. Centrifuge to remove any insoluble material. Glycerol may be added (1:1) for additional stability. Please note the sample size (0.025ml) is provided in reconstituted format.
<b>Isotype</b>	IgG
<b>Purity</b>	Unpurified
<b>Buffer</b>	Lyophilized from whole antisera

<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Rabbit P2X7/P2RX7 Antibody (NBP1-20180) is a polyclonal antibody validated for use in IHC and WB. Anti-P2X7/P2RX7 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	5027
<b>Gene Symbol</b>	P2RX7
<b>Species</b>	Human, Mouse, Rat, Monkey
<b>Reactivity Notes</b>	Marmoset (100%).
<b>Immunogen</b>	A synthetic peptide from mouse P2X7 conjugated to blue carrier protein was used as the antigen.

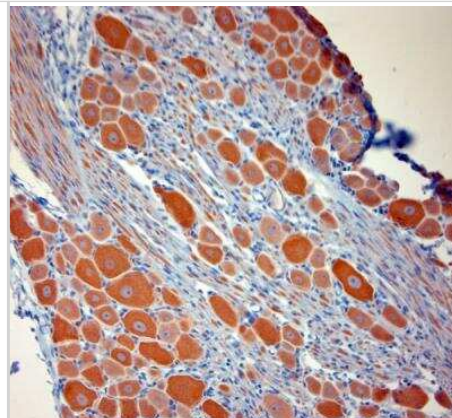
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 1:2000, Immunohistochemistry 1:1000, Immunohistochemistry-Paraffin 1:1000

**Images**

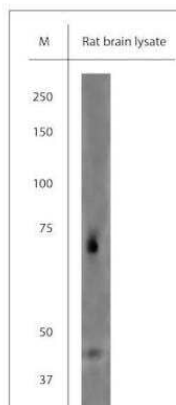
Western Blot: P2X7/P2RX7 Antibody [NBP1-20180] - WB on brain lysates. Blocking: 1% LFDM for 30 min at RT; primary antibody: dilution 1:5000 incubated at 4C overnight.



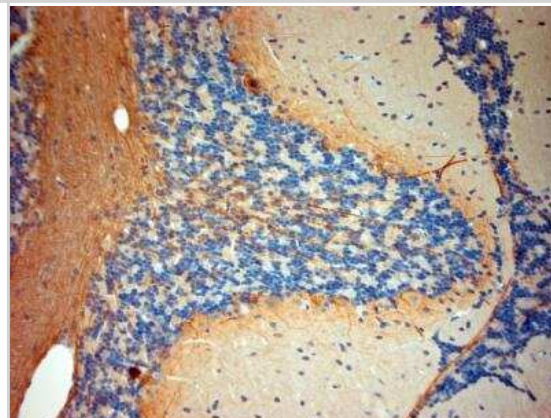
Immunohistochemistry-Paraffin: P2X7/P2RX7 Antibody [NBP1-20180] - IHC-P on paraffin sections of rat DRG. The animal was perfused using Autoperfuser at a pressure of 130 mmHg with 300 ml 4% FA being processed for paraffin embedding. HIER: Tris-EDTA, pH 9 for 20 min. Blocking: 0.2% LFDM in TBST filtered thru 0.2 um. Detection was done using Novolink HRP polymer; DAB chromogen: Candela DAB chromogen. Primary antibody: dilution 1: 2000, incubated 30 min at RT using Autostainer. Sections were counterstained with Harris Hematoxylin



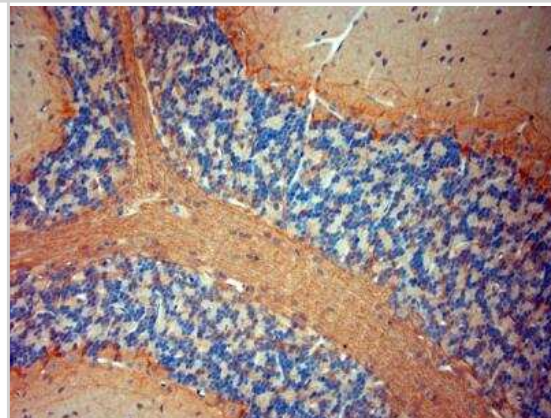
Western Blot: P2X7/P2RX7 Antibody [NBP1-20180] - Rat brain lysate using Rabbit antibody to P2RX7 at 1:500 dilution. Incubated 30 min at RT with shake. Blocking: 0.5% LFDM in 1x PBS containing 0.1% Tween-20



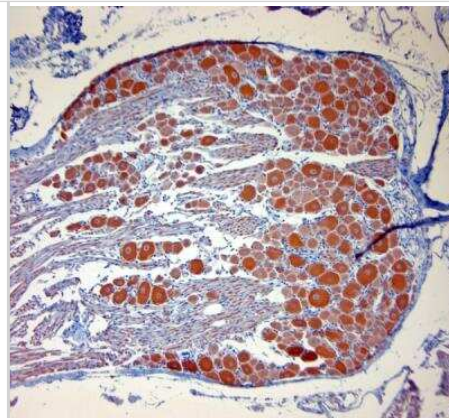
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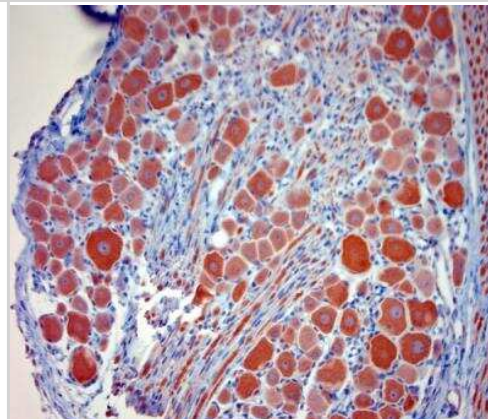
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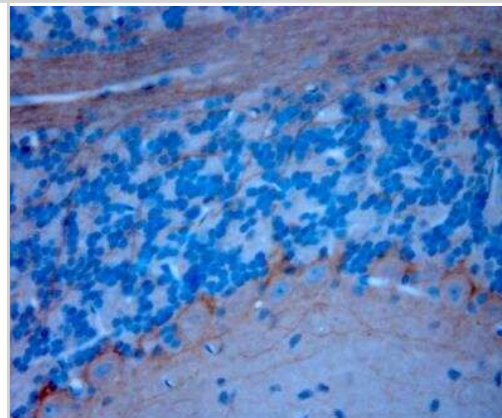
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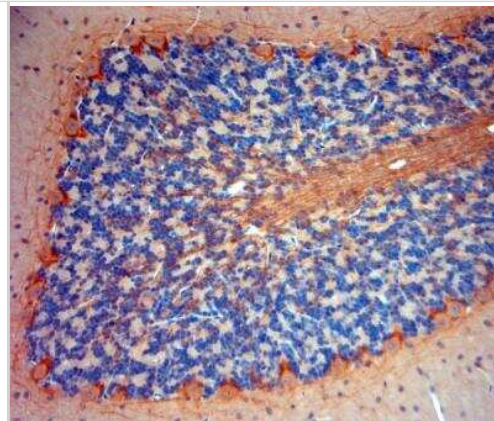
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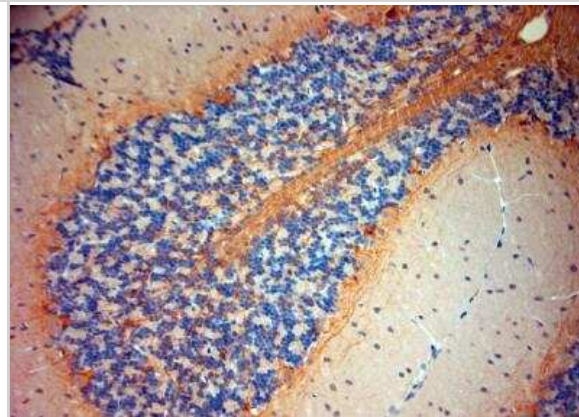
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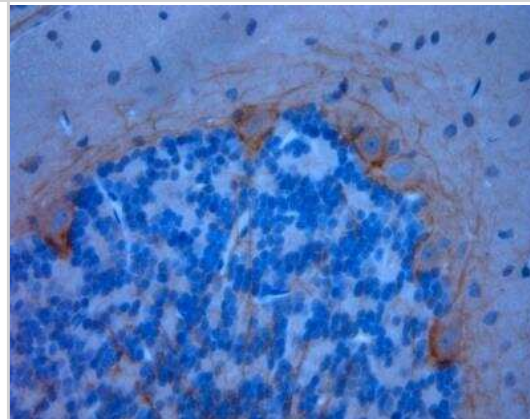
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## Publications

Bai X, Li Q, Peng X et al. P2X7 receptor promotes migration and invasion of non-small cell lung cancer A549 cells through the PI3K/Akt pathways Purinergic signalling 2023-03-01 [PMID: 36854856]

Ma Y, Di R, Zhao H et al. P2X7 receptor knockdown suppresses osteoclast differentiation by inhibiting autophagy and Ca<sup>2+</sup>/calcineurin signaling Molecular medicine reports 2022-05-01 [PMID: 35266012] (WB, Mouse)



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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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