

Product Datasheet

P2Y12/P2RY12 Antibody

NBP1-78249-0.05mg

Unit Size: 0.05 mg

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

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Publications: 4

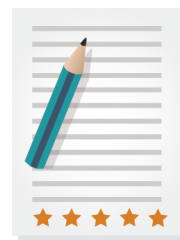
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NBP1-78249-0.05mg

P2Y12/P2RY12 Antibody

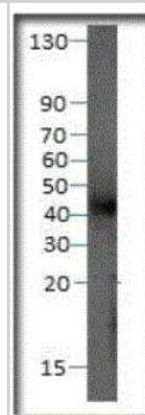
Product Information	
Unit Size	0.05 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris/Glycine buffer, pH 7.4-7.8, HEPES,BSA 0.5%, glycerol 30%.

Product Description	
Host	Rabbit
Gene ID	64805
Gene Symbol	P2RY12
Species	Human, Mouse, Rat, Porcine, Monkey, Primate
Reactivity Notes	Chimpanzee (100%). Porcine reactivity reported in (PMID: 31103710). Mouse reactivity reported in scientific literature (PMID:31800167).
Specificity/Sensitivity	This antibody detects a single 56-68kDa P2Y12 diffused band. The antibody does not cross reacts with other P2X or with other P2Y receptors on western blots.
Immunogen	Synthetic peptide taken within amino acid region 300-342 on human P2Y12 protein.

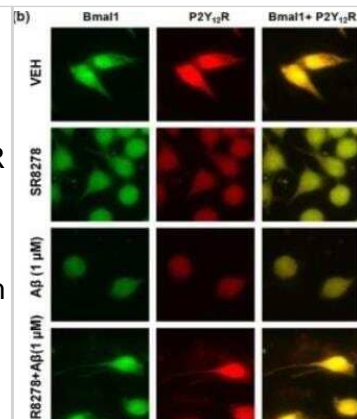
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500, ELISA 1:10000, Immunohistochemistry 1:100, Immunocytochemistry/ Immunofluorescence 1:100, Immunoprecipitation 1:200, Immunohistochemistry-Paraffin 1:100

Images

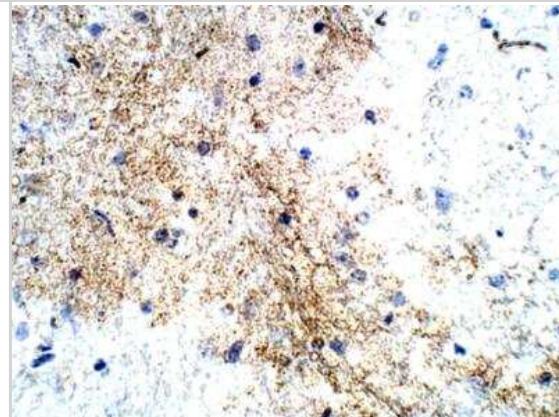
Western Blot: P2Y12/P2RY12 Antibody [NBP1-78249] - Antibody dilution 1:500, MW is 41 kDa



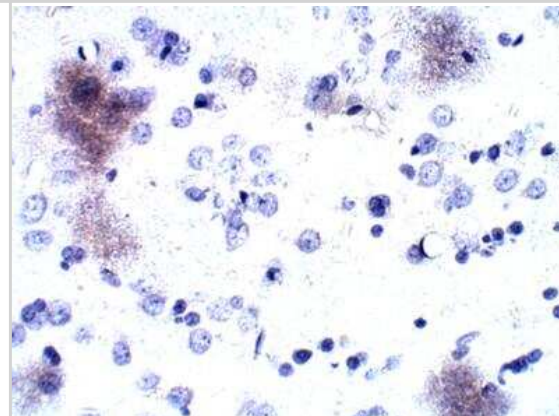
Immunocytochemistry/Immunofluorescence: P2Y12/P2RY12 Antibody [NBP1-78249] - SR8278 induces microglial process extension and expression of P2Y12R and Bmal1. SR8278 (20 uM) recovered the fluorescence intensity of Bmal1 and P2Y12R and increased microglial process length in either the absence or presence of fAbeta1-42 (P2Y12R in red and Bmal1 in green). The graph shows the average length of the longest microglial processes from the 46 microglia in each group. ***p < .001 compared to the vehicle-treated group and ###p < .001 compared to the fAbeta-treated group. Image collected and cropped by CiteAb from the following publication (<https://onlinelibrary.wiley.com/doi/abs/10.1111/ace.13078>) licensed under a CC-BY license.



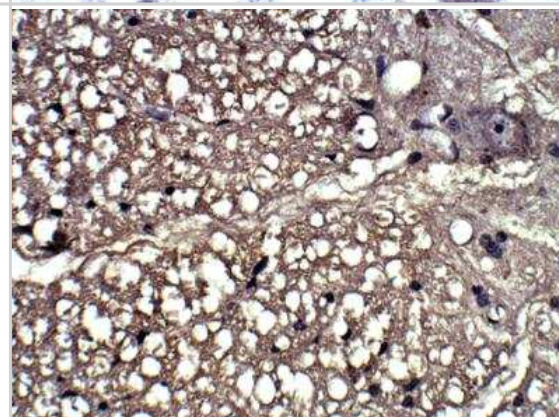
Immunohistochemistry-Paraffin: P2Y12/P2RY12 Antibody [NBP1-78249] - Mouse brain, 1:50 dilution in IHC blocking buffer. DAB (brown) staining and Hematoxylin QS (blue) counterstain. 40X magnification, FFPE section.



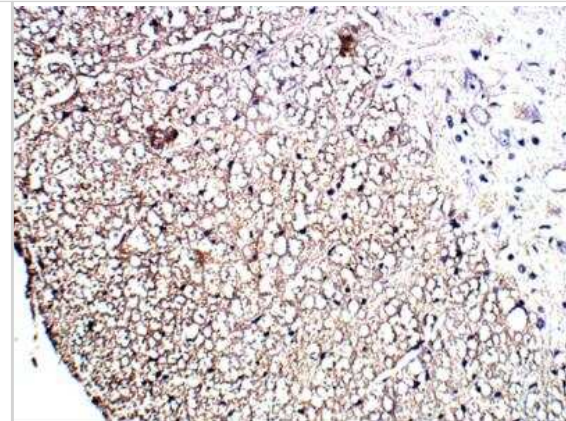
Immunohistochemistry-Paraffin: P2Y12/P2RY12 Antibody [NBP1-78249] - Rat brain, 1:100 dilution.



Immunohistochemistry-Paraffin: P2Y12/P2RY12 Antibody [NBP1-78249] - Rat spinal cord. Dilution 1:100.



Immunohistochemistry-Paraffin: P2Y12/P2RY12 Antibody [NBP1-78249]
- Rat spinal cord. Dilution 1:100.



Publications

Liu L, Gao J, Tang Y et al. Increased expression of the P2Y12 receptor is involved in the failure of autogenous arteriovenous fistula caused by stenosis Renal Failure 2023-12-22

Lee J, Kim DE, Griffin P, et al. Inhibition of REV-ERBs stimulates microglial amyloid-beta clearance and reduces amyloid plaque deposition in the 5XFAD mouse model of Alzheimer's disease Aging Cell 2019-12-04 [PMID: 31800167] (ICC/IF, Mouse)

Lim RR, Hainsworth DP, Mohan RR, Chaurasia SS Characterization of a functionally active primary microglial cell culture from the pig retina Exp Eye Res 2019-05-20 [PMID: 31103710] (ICC/IF, Porcine)

Abbracchio, M, G Burnstock. Purinoceptors: are there families of P2X and P2Y purinoceptors?. Pharmacol. Ther. 64:445-475. 1994-01-01 [PMID: 7724657]



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP1-78249-0.05mg

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-33870PEP	P2Y12/P2RY12 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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