

Product Datasheet

P2X7/P2RX7 Antibody - BSA Free NBP2-19654

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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NBP2-19654

P2X7/P2RX7 Antibody - BSA Free

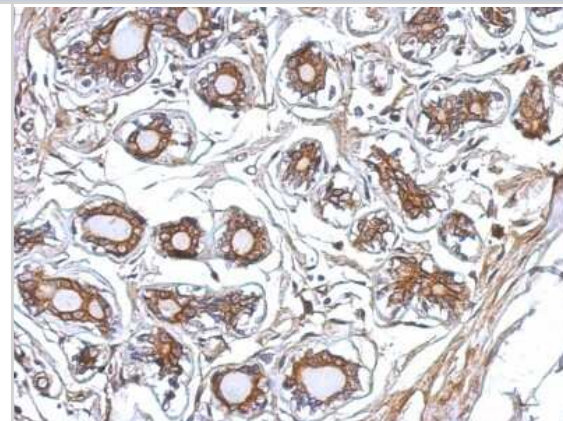
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.025% Proclin 300
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	PBS, 20% Glycerol
Target Molecular Weight	69 kDa

Product Description	
Description	Novus Biologicals Rabbit P2X7/P2RX7 Antibody - BSA Free (NBP2-19654) is a polyclonal antibody validated for use in IHC and WB. Anti-P2X7/P2RX7 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	5027
Gene Symbol	P2RX7
Species	Human, Mouse, Rat
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: Canine (89%), Bovine (85%), Guinea pig (81%).
Immunogen	Recombinant protein encompassing a sequence within the center region of human P2X7/P2RX7. The exact sequence is proprietary.

Product Application Details	
Applications	Immunohistochemistry-Paraffin, Immunohistochemistry
Recommended Dilutions	Immunohistochemistry 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000

Images

Immunohistochemistry-Paraffin: P2X7/P2RX7 Antibody [NBP2-19654] - Human breast cancer, using P2X7 antibody at 1:500 dilution. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.

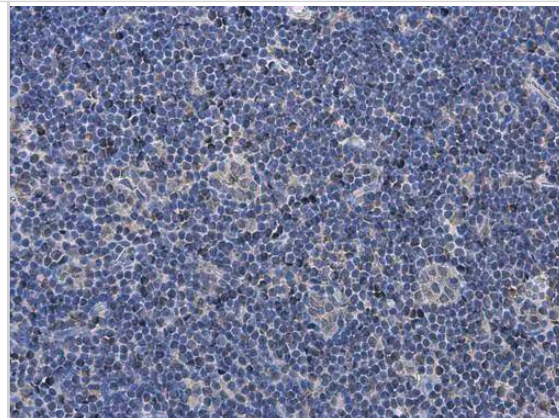


P2X7 antibody detects P2X7 protein at cell membrane and cytoplasm in rat lymph node by immunohistochemical analysis.

Sample: Paraffin-embedded rat lymph node.

P2X7 antibody (NBP2-19654) diluted at 1:500.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min

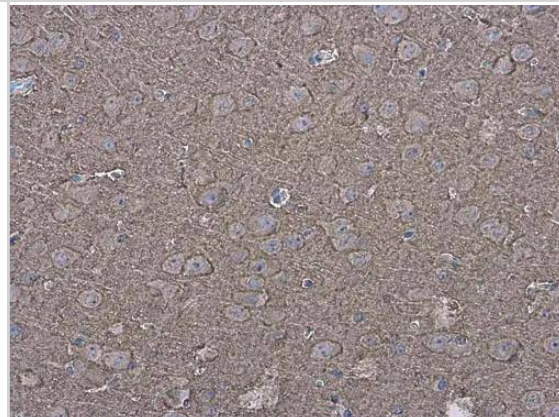


P2X7 antibody detects P2X7 protein at cell membrane and cytoplasm in mouse brain by immunohistochemical analysis.

Sample: Paraffin-embedded mouse brain.

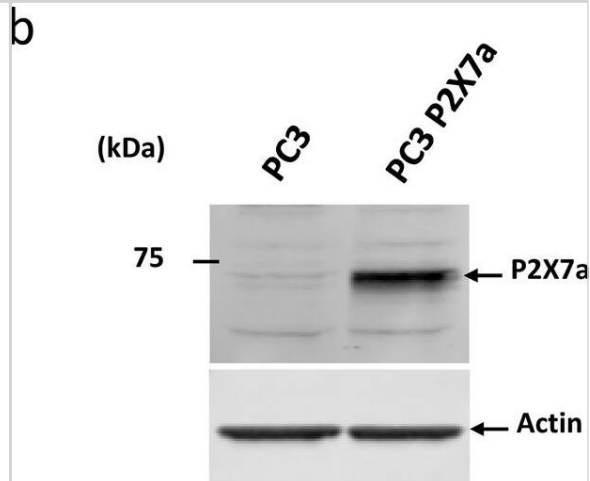
P2X7 antibody (NBP2-19654) diluted at 1:500.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



nfP2X7 is molecularly distinct from functional P2X7. a BIL03s and L4 binding relative to isotype control was measured by flow cytometry in a panel of cancer cell lines. Mean and SEM from at least three independent experiments are shown. b Western blotting of lysate from PC3 cells or PC3 cells overexpressing P2X7a. Representative images from three independent experiments are shown. c PC3 cells overexpressing P2X7a show increased L4 binding relative to untransfected PC3 but no change in BIL03s binding. Mean and SEM from three independent experiments are shown. Two-way ANOVA with Sidak's multiple comparison test was used. d Ethidium influx into PC3 cells or PC3 cells overexpressing P2X7a in response to 0.5 mM BzATP or no agonist stimulation. Mean of three independent experiments shown. e Representation of the P2RX7 transcript and the target sequence location for siRNA. a, b, f The effect of P2RX7-targeted siRNA A and B on BIL03s and L4 binding in PC3 cells and PC3 cells overexpressing P2X7a was measured by flow cytometry. Mean and SEM from three independent experiments are shown. Two-way ANOVA with Dunnett's post test was used to test significance. *P < 0.05, ***P < 0.001

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Publications

Gilbert SM, Oliphant CJ, Hassan S et al. ATP in the tumour microenvironment drives expression of nfP2X7, a key mediator of cancer cell survival *Oncogene* 2018-08-07 [PMID: 30087439] (IF/IHC, Human)



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 NBP2-19654

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00005027-P01-2ug	Recombinant Human P2X7/P2RX7 GST (N-Term) Protein

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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