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anti-P2RX7 antibody (C-Term, Intracellular) (Atto 550)





Go to Product page

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Quantity:	50 μL
Target:	P2RX7
Binding Specificity:	AA 576-595, C-Term, Intracellular
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This P2RX7 antibody is conjugated to Atto 550
Application:	Immunohistochemistry (IHC), Immunofluorescence (IF)
Product Details	
Immunogen:	Immunogen: Synthetic peptide
Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)KIRKEFPKTQGQYSGFKYPY, corresponding to amino acid residues
Immunogen:	
Immunogen: Isotype:	Immunogen Sequence: (C)KIRKEFPKTQGQYSGFKYPY, corresponding to amino acid residues
	Immunogen Sequence: (C)KIRKEFPKTQGQYSGFKYPY, corresponding to amino acid residues 576-595 of rat P2X7 receptor
Isotype:	Immunogen Sequence: (C)KIRKEFPKTQGQYSGFKYPY, corresponding to amino acid residues 576-595 of rat P2X7 receptor IgG
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ATTO-550 fluorescent label is related to the well known dye Rhodamine 6G and can be used

Product Details

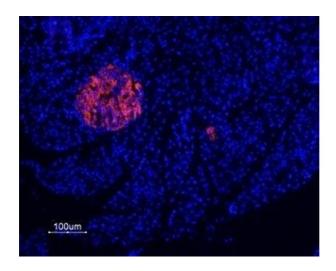
1 Toddet Details			
	with filters typically used to detect Rhodamine. Anti-P2X7 Receptor-ATTO Fluor-550 Antibody		
	has been tested in immunohistochemistry applications and is specially suited to experiments		
	requiring simultaneous labeling of different markers.		
Purification:	Affinity purified on immobilized antigen.		
Target Details			
Target:	P2RX7		
Alternative Name:	P2X7 Receptor (P2RX7 Products)		
Background:	Alternative names: P2X7 Receptor, Purinergic receptor P2X7, P2RX7, P2Z, ATP receptor		
Gene ID:	29665		
NCBI Accession:	NM_002562		
UniProt:	Q64663		
Pathways:	Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process		
	Synaptic Vesicle Exocytosis		
Application Details			
Application Notes:	Optimal working dilution should be determined by the investigator.		
Restrictions:	For Research Use only		
Handling			
Format:	Lyophilized		
Reconstitution:	50 μL double distilled water (DDW).		
Concentration:	1 mg/mL		
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 %		
	Sodium azide.		
Preservative:	Sodium azide		
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.		
Storage:	RT,4 °C,-20 °C		

Storage Comment:

Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.

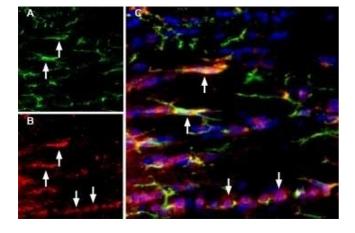
Storage after reconstitution: The reconstituted solution can be stored at 4° C, protected from the light, for up to 1 week. For longer periods, small aliquots should be stored at -20° C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use ($10000 \times g = 5$ min).

Images



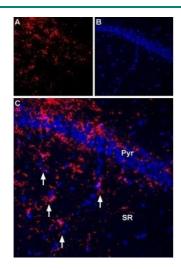
Immunohistochemistry

Image 1. Expression of P2X7 Receptor in rat pancreas - Immunohistochemical staining of rat paraffin embedded endocrine and exocrine pancreas sections using Anti-P2X7 Receptor-ATTO Fluor-550 Antibody (ABIN7043577), (1:20), (red). Staining is highly specific for endocrine cells of the Isle of Langerhans. Hoechst 33342 is used as the counterstain (blue).



Immunohistochemistry

Image 2. Multiplex staining of IBA1/AIF1 and P2X7 in rat brain. - Immunohistochemical staining of rat corpus callosum (CC) free floating frozen sections using Anti-IBA1/AIF1 Antibody (ABIN7042910, ABIN7044214 and ABIN7044215), (1:1000) and Anti-P2X7 Receptor-ATTO Fluor-550 Antibody (ABIN7043577) (1:60). A. IBA1/AIF1 immunoreactivity (green) appears in microglia (arrows). B. P2X7 immunostaining (red) appears in microglia (uppointing arrows) and in other cell types in the corpus callosum (down-pointing arrows). C. Merged image of panels A and B demonstrates partial colocalization of both proteins. Nuclei are demonstrated using DAPI as the counterstain (blue).



Immunohistochemistry

Image 3. Expression of P2RX7 in rat hippocampus - Immunohistochemical staining of rat hippocampus frozen section using Anti-P2X7 Receptor-ATTO Fluor-550 Antibody (ABIN7043577), (1:60). A. P2X7 staining (red) appears in the CA1 pyramidal (Pyr) and stratum radiatum (SR) layers in cells with glial morphology (arrows). B. DAPI is used as the counterstain (blue). C. Merged image of A and B.

Please check the product details page for more images. Overall 4 images are available for ABIN7043577.