

Product datasheet for **TA328678**

P2Y11 (P2RY11) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1:200-1:2000; IHC: 1:100-1:3,000; FC: 1:50-1:600
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Peptide (C)NATAAPKPSE PQSRELS, corresponding to amino acid residues 357-373 of human P2Y11. Intracellular, C-terminus.
Formulation:	Lyophilized. Concentration before lyophilization ~0.8mg/ml (lot dependent, please refer to CoA along with shipment for actual concentration). Buffer before lyophilization: phosphate buffered saline (PBS), pH 7.4, 1% BSA, 0.05% NaN ₃ .
Reconstitution Method:	Add 50 ul double distilled water (DDW) to the lyophilized powder.
Purification:	Affinity purified on immobilized antigen.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	purinergic receptor P2Y11
Database Link:	NP_002557 Entrez Gene 5032 Human Q96G91
Background:	The P2Y receptors belong to the G-protein coupled receptors superfamily. They mediate the actions of the extracellular nucleotides (ATP, ADP, UTP and UDP). Eight functional mammalian P2Y receptors have been described: P2Y1, P2Y2, P2Y4, P2Y6, P2Y11, P2Y12, P2Y13, and the UDP-glucose receptor, now renamed P2Y14. The human P2Y11 receptor is unique among the P2Y receptors since it is dually coupled to phospholipase C and adenylyl cyclase. P2Y11 receptor is highly expressed in spleen and for much lower extent at platelets. Expression of P2Y11 receptor was also shown in endothelial cells. In granulocytes HL-60, P2Y11 receptor is thought to have a role in granulocytic differentiation.



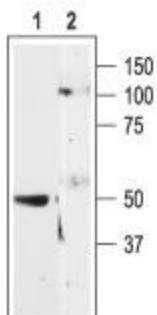
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Synonyms: P2Y11

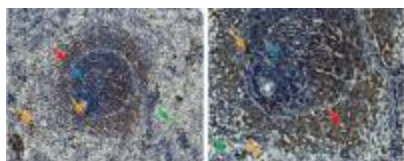
Protein Families: Druggable Genome, GPCR, Transmembrane

Protein Pathways: Neuroactive ligand-receptor interaction

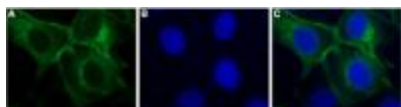
Product images:



Western blot analysis human platelet lysates: 1. Anti-P2Y11 Receptor antibody, (1:200). 2. Anti-P2Y11 Receptor antibody, preincubated with the control peptide antigen.



IHC staining of rat spleen using Anti-P2Y11 Receptor antibody. Secondary (activated) follicle in the spleen white pulp shows intense staining of Marginal Zone T lymphocytes (red arrow); note that cells in the red pulp (green arrow) and B lymphocytes in the germinal center (blue arrow) are not stained. Yellow arrows show mononuclear cells with intense stain, probably non specific due to very high intrinsic peroxidase activity. DAB product is brown and cresyl violet is used as the counterstain.



Expression of P2Y11 receptor in human P2Y11-MDCK transfected cells. Immunocytochemical staining of paraformaldehyde-fixed and permeabilized human P2Y11-MDCK transfected cells. A. Staining using Anti-P2Y11 Receptor antibody, (1:200), followed by Alexa-488-conjugated goat-anti-rabbit secondary antibody. B. Nuclear fluorescence staining of cells using the membrane-permeable DNA dye Hoechst 33342. C. Merged images of panels A and B.