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P2Y10 Rabbit pAb

Catalog # AP97098

Product Information

Application	WB
Primary Accession	O00398
Other Accession	O00398
Reactivity	Human
Predicted	Rat, Mouse, Rabbit, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	38774
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human P2Y10
Epitope Specificity	151-250/339
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the G-protein coupled receptor 1 family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Nucleotides are important extracellular signaling molecules that mediate several events, such as cell proliferation, differentiation, chemotaxis and cytokine release. The P2 receptor family is activated by the binding of nucleotides and is divided into two subfamilies, designated P2X and P2Y. The P2Y receptor family are G protein-coupled receptors that mediate the effects of extracellular nucleotides, primarily through the activation of phospholipase C (PLC). To some extent, the P2Y receptors can also activate potassium channels or, alternatively, inhibit adenylate cyclase and N-type calcium channels in response to extracellular nucleotides. P2Y10 (purinergic receptor P2Y, G-protein coupled, 10), also known as P2RY10, is a 339 amino acid multi-pass membrane protein that is thought to act as a receptor for purines coupled to G-proteins. P2Y10 is found at low levels in blood leukocytes and is upregulated during promyelocytic cell differentiation.

Additional Information

Gene ID	27334
Other Names	LPS2; LYPSR2; P2Y10; 5830408N17Rik; P2Y10_HUMAN; P2RY10; P2Y-like receptor; P2Y10_MOUSE; P2Y receptor family member 10; purinergic receptor P2Y, G-protein coupled, 10; purinergic receptor P2Y10; lysophosphatidylserine receptor 2
Dilution	WB=1:500-2000,Flow-Cyt=1 μg/Test
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When

reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	P2RY10
Function	Putative receptor for purines coupled to G proteins.
Cellular Location	Cell membrane; Multi-pass membrane protein.
Tissue Location	Weakly expressed in blood leukocytes.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.