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P2RY1 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14591c

Product Information

Application	WB, E
Primary Accession	P47900
Other Accession	P49651, P34996, P48042, NP_002554.1
Reactivity	Human
Predicted	Bovine, Chicken, Rat, Mouse, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB34578
Calculated MW	42072
Antigen Region	231-260

Additional Information

Gene ID	5028
Other Names	P2Y purinoceptor 1, P2Y1, ATP receptor, Purinergic receptor, P2RY1
Target/Specificity	This P2RY1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 231-260 amino acids from the Central region of human P2RY1.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	P2RY1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	P2RY1
Function	Receptor for extracellular adenine nucleotides such as ADP (PubMed:25822790, PubMed:9038354, PubMed:9442040). In platelets, binding to ADP leads to mobilization of intracellular calcium ions via

activation of phospholipase C, a change in platelet shape, and ultimately platelet aggregation (PubMed:9442040).

Cellular Location Cell membrane; Multi-pass membrane protein

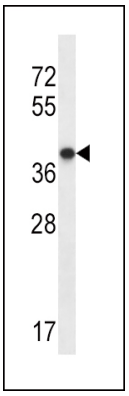
Background

The product of this gene belongs to the family of G-protein coupled receptors. This family has several receptor subtypes with different pharmacological selectivity, which overlaps in some cases, for various adenosine and uridine nucleotides. This receptor functions as a receptor for extracellular ATP and ADP. In platelets binding to ADP leads to mobilization of intracellular calcium ions via activation of phospholipase C, a change in platelet shape, and probably to platelet aggregation. [provided by RefSeq].

References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)
Maloney, S.F., et al. Integr Biol (Camb) 2(4):183-192(2010)
Nisar, S., et al. Traffic 11(4):508-519(2010)
Kumar, T.S., et al. J. Med. Chem. 53(6):2562-2576(2010)
Bambace, N.M., et al. Platelets 21(2):85-93(2010)

Images



P2RY1 Antibody (Center) (Cat. #AP14591c) western blot analysis in NCI-H292 cell line lysates (35ug/lane).This demonstrates the P2RY1 antibody detected the P2RY1 protein (arrow).

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