

P2RY1 polyclonal antibody

Catalog # PAB7413

Size 100 ug

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of P2RY1.
Immunogen	A synthetic peptide corresponding to amino acids 247-257 of human P2RY1.
Sequence	C-KDLDNSPLRRK
Host	Goat
Theoretical MW (kDa)	42.1
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:128000) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Enzyme-linked Immunoabsorbent Assay

Gene Info — P2RY1

Entrez GeneID [5028](#)

Protein Accession# [NP_002554.1](#)

Gene Name P2RY1

Gene Alias P2Y1

Gene Description purinergic receptor P2Y, G-protein coupled, 1

Omim ID [601167](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]

Other Designations ATP receptor|P2 purinoceptor subtype Y1|P2Y purinoceptor 1|platelet ADP receptor|purinergic receptor P2Y1

Publication Reference

- [Calmodulin interacts with the platelet ADP receptor P2Y1.](#)

Arthur JF, Shen Y, Mu FT, Leon C, Gachet C, Berndt MC, Andrews RK.

Biochemical Journal 2006 Sep; 398(3):339.

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Atherosclerosis](#)

- [Cardiovascular Diseases](#)
- [Coronary Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [HIV Infections](#)
- [Vascular Diseases](#)