

**P2RY1 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP14591c****Specification**

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**P2RY1 Antibody (Center) Blocking Peptide - Product Information**

Primary Accession [P47900](#)

**P2RY1 Antibody (Center) Blocking Peptide - Additional Information**

**Gene ID** 5028

**Other Names**

P2Y purinoceptor 1, P2Y1, ATP receptor, Purinergic receptor, P2RY1

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**P2RY1 Antibody (Center) Blocking Peptide - Protein Information**

**Name** P2RY1

**Function**

Receptor for extracellular adenine nucleotides such as ADP (PubMed:<a href="http://www.uniprot.org/citations/9442040" target="\_blank">9442040</a>, PubMed:<a href="http://www.uniprot.org/citations/9038354" target="\_blank">9038354</a>, PubMed:<a href="http://www.uniprot.org/citations/25822790" target="\_blank">25822790</a>). 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:<a href="http://www.uniprot.org/citations/9442040" target="\_blank">9442040</a>).

**Cellular Location**

Cell membrane; Multi-pass membrane protein

**P2RY1 Antibody (Center) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

**P2RY1 Antibody (Center) Blocking Peptide - Images****P2RY1 Antibody (Center) Blocking Peptide - 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].

**P2RY1 Antibody (Center) Blocking Peptide - 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)