

**PEAR1 Antibody (C-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP10334b****Specification**

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**PEAR1 Antibody (C-term) Blocking peptide - Product Information**

Primary Accession [Q5VY43](#)  
Other Accession [NP\\_001073940.1](#)

**PEAR1 Antibody (C-term) Blocking peptide - Additional Information**

**Gene ID** 375033

**Other Names**

Platelet endothelial aggregation receptor 1, hPEAR1, Multiple epidermal growth factor-like domains protein 12, Multiple EGF-like domains protein 12, PEAR1, MEGF12

**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.

**PEAR1 Antibody (C-term) Blocking peptide - Protein Information**

**Name** PEAR1

**Synonyms** MEGF12

**Function**

Required for SVEP1-mediated platelet activation, via its interaction with SVEP1 and subsequent activation of AKT/mTOR signaling (PubMed:<a href="http://www.uniprot.org/citations/36792666" target="\_blank">36792666</a>). May be involved in the early stages of hematopoiesis (By similarity).

**Cellular Location**

Cell membrane; Single-pass membrane protein. Cell projection, lamellipodium. Note=Detected on the cell surface in resting platelets.

**Tissue Location**

Expressed in umbilical vein endothelial cells and platelets (at protein level) (PubMed:15851471, PubMed:36792666) Expressed in coronary artery smooth muscle cells (at protein level) (PubMed:36792666). Expressed in heart, kidney, skeletal muscle, pancreas, ovary, breast, lung, brain cortex, hypothalamus, spinal cord, dorsal root ganglion (PubMed:15851471). Expressed in

umbilical artery endothelial cells, megakaryocytes, osteoblasts, coronary muscle and erythroid cells (PubMed:15851471).

### **PEAR1 Antibody (C-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

### **PEAR1 Antibody (C-term) Blocking peptide - Images**

### **PEAR1 Antibody (C-term) Blocking peptide - Background**

PEAR1 is a platelet receptor that signals upon the formation of platelet-platelet contacts independent of platelet activation and secondary to platelet aggregation (Nanda et al., 2005 [PubMed 15851471]).

### **PEAR1 Antibody (C-term) Blocking peptide - References**

Johnson, A.D., et al. Nat. Genet. 42(7):608-613(2010) Jones, C.I., et al. Blood 114(7):1405-1416(2009) Herrera-Galeano, J.E., et al. Arterioscler. Thromb. Vasc. Biol. 28(8):1484-1490(2008) Nanda, N., et al. J. Biol. Chem. 280(26):24680-24689(2005) Nanda, N., et al. J. Biol. Chem. 280(26):24680-24689(2005)