

**Phospho-PLXND1(Y1367) Antibody Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP3686a****Specification**

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**Phospho-PLXND1(Y1367) Antibody Blocking peptide - Product Information**Primary Accession [Q9Y4D7](#)**Phospho-PLXND1(Y1367) Antibody Blocking peptide - Additional Information****Gene ID** 23129**Other Names**

Plexin-D1, PLXND1, KIAA0620

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP3686a](/products/AP3686a) was selected from the region of human Phospho-PLXND1-Y1367. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**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.

**Phospho-PLXND1(Y1367) Antibody Blocking peptide - Protein Information****Name** PLXND1**Synonyms** KIAA0620**Function**

Cell surface receptor for SEMA4A and for class 3 semaphorins, such as SEMA3A, SEMA3C and SEMA3E. Plays an important role in cell-cell signaling, and in regulating the migration of a wide spectrum of cell types. Regulates the migration of thymocytes in the medulla. Regulates endothelial cell migration. Plays an important role in ensuring the specificity of synapse formation. Required for normal development of the heart and vasculature (By similarity). Mediates anti-angiogenic signaling in response to SEMA3E.

**Cellular Location**

Cell membrane {ECO:0000250|UniProtKB:Q3UH93}; Single-pass membrane protein {ECO:0000250|UniProtKB:Q3UH93}. Cell projection, lamellipodium membrane

**Tissue Location**

Detected at low levels in heart, placenta, lung, skeletal muscle, kidney, thymus and liver. Detected at very low levels in brain, colon, spleen, small intestine and peripheral blood leukocytes.

**Phospho-PLXND1(Y1367) Antibody Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**Phospho-PLXND1(Y1367) Antibody Blocking peptide - Images****Phospho-PLXND1(Y1367) Antibody Blocking peptide - Background**

This protein belongs to calcium-dependent cell adhesion molecule family.

**Phospho-PLXND1(Y1367) Antibody Blocking peptide - References**

van der Zwaag B., Dev. Dyn. 225:336-343(2002).