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Phospho-PLXND1(Y1367) Antibody Blocking peptide

Synthetic peptide
Catalog # BP3686a

Specification

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 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).