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SKAP1 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP18824b

Specification

SKAP1 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q86WV1

SKAP1 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 8631

Other Names
Src kinase-associated phosphoprotein 1, Src family-associated phosphoprotein 1, Src kinase-associated phosphoprotein of 55 kDa, SKAP-55, pp55, SKAP1, SCAP1, SKAP55

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.

SKAP1 Antibody (C-term) Blocking Peptide - Protein Information

Name SKAP1

Synonyms SCAP1, SKAP55

Function
Positively regulates T-cell receptor signaling by enhancing the MAP kinase pathway. Required for optimal conjugation between T- cells and antigen-presenting cells by promoting the clustering of integrin ITGAL on the surface of T-cells. May be involved in high affinity immunoglobulin epsilon receptor signaling in mast cells.

Cellular Location
Cytoplasm. Nucleus. Cell membrane. Note=Upon T- cell stimulation, translocates to lipid rafts at the cell membrane

Tissue Location
Highly expressed in thymocytes and peripheral blood lymphocytes. Also expressed in spleen cells and testis. Present in T- cells (at protein level).

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SKAP1 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

SKAP1 Antibody (C-term) Blocking Peptide - Images

SKAP1 Antibody (C-term) Blocking Peptide - Background

This gene encodes a T cell adaptor protein, a class ofintracellular molecules with modular domains capable of recruitingadditional proteins but that exhibit no intrinsic enzymaticactivity. The encoded protein contains a unique N-terminal regionfollowed by a PH domain and C-terminal SH3 domain. Along with theadhesion and degranulation-promoting adaptor protein, the encodedprotein plays a critical role in inside-out signaling by couplingT-cell antigen receptor stimulation to the activation of integrins.

SKAP1 Antibody (C-term) Blocking Peptide - References

Goode, E.L., et al. Nat. Genet. 42(10):874-879(2010)Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Raab, M., et al. Immunity 32(4):541-556(2010)Lehmann, R., et al. Proteomics 9(23):5288-5295(2009)Fang, L., et al. Cell Cycle 8(17):2819-2827(2009)