

**SCIN Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP9945a****Specification**

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**SCIN Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [Q9Y6U3](#)**SCIN Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 85477**Other Names**

Adseverin, Scinderin, SCIN, KIAA1905

**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.

**SCIN Antibody (N-term) Blocking Peptide - Protein Information****Name** SCIN {ECO:0000303|PubMed:8547642, ECO:0000312|HGNC:HGNC:21695}**Function**

Ca(2+)-dependent actin filament-severing protein that has a regulatory function in exocytosis by affecting the organization of the microfilament network underneath the plasma membrane (PubMed:<a href="http://www.uniprot.org/citations/8547642" target="\_blank">8547642</a>, PubMed:<a href="http://www.uniprot.org/citations/26365202" target="\_blank">26365202</a>). Severing activity is inhibited by phosphatidylinositol 4,5-bis-phosphate (PIP2) (By similarity). In vitro, also has barbed end capping and nucleating activities in the presence of Ca(2+). Required for megakaryocyte differentiation, maturation, polyploidization and apoptosis with the release of platelet-like particles (PubMed:<a href="http://www.uniprot.org/citations/11568009" target="\_blank">11568009</a>). Plays a role in osteoclastogenesis (OCG) and actin cytoskeletal organization in osteoclasts (By similarity). Regulates chondrocyte proliferation and differentiation (By similarity). Inhibits cell proliferation and tumorigenesis. Signaling is mediated by MAPK, p38 and JNK pathways (PubMed:<a href="http://www.uniprot.org/citations/11568009" target="\_blank">11568009</a>).

**Cellular Location**

Cytoplasm, cytoskeleton. Cell projection, podosome {ECO:0000250|UniProtKB:Q60604}

**Tissue Location**

Expressed in megakaryocytes.

### **SCIN Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

### **SCIN Antibody (N-term) Blocking Peptide - Images**

### **SCIN Antibody (N-term) Blocking Peptide - Background**

SCIN (Scinderin) is a  $\text{Ca}^{2+}$  dependent actin filament severing protein that is presumed to have a regulatory function in exocytosis by affecting the organization of the microfilament network underneath the plasma membrane. In vitro SCIN also has barbed end capping and nucleating activities in the presence of  $\text{Ca}^{2+}$ .

### **SCIN Antibody (N-term) Blocking Peptide - References**

Chumnarnsilpa, S., et al. Proc. Natl. Acad. Sci. U.S.A. 106(33):13719-13724(2009) Ehre, C., et al. Am. J. Physiol., Cell Physiol. 288 (1), C46-C56 (2005) Lejen, T., et al. Ann. N. Y. Acad. Sci. 971, 248-250 (2002)