

# SCIN Rabbit pAb

Catalog # AP53586

## Product Information

|                   |                        |
|-------------------|------------------------|
| Primary Accession | <a href="#">Q9Y6U3</a> |
| Host              | Rabbit                 |
| Clonality         | Polyclonal Antibody    |
| Calculated MW     | 80489                  |

## Additional Information

|             |                                                                                          |
|-------------|------------------------------------------------------------------------------------------|
| Gene ID     | 85477                                                                                    |
| Other Names | Adseverin, Scinderin, SCIN, KIAA1905                                                     |
| Storage     | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |

## 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="#">26365202</a> , PubMed: <a href="#">8547642</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="#">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="#">11568009</a> ). |
| Cellular Location | Cytoplasm, cytoskeleton. Cell projection, podosome {ECO:0000250   UniProtKB:Q60604}                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Tissue Location   | Expressed in megakaryocytes.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

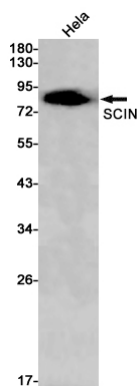
## Background

Swiss-Prot Acc.Q9Y6U3.Ca2+-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:8547642, PubMed:26365202). Severing activity is inhibited by phosphatidylinositol 4,5-bis-phosphate (PIP2) . In vitro, also has barbed end capping and nucleating activities in the presence of

Ca<sup>2+</sup>. Required for megakaryocyte differentiation, maturation, polyploidization and apoptosis with the release of platelet-like particles (PubMed:11568009). Plays a role in osteoclastogenesis (OCG) and actin cytoskeletal organization in osteoclasts . Regulates chondrocyte proliferation and differentiation . Inhibits cell proliferation and tumorigenesis. Signaling is mediated by MAPK, p38 and JNK pathways (PubMed:11568009).

## Images

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Western blot detection of SCIN in HeLa cell lysates using SCIN Rabbit pAb(1:1000 diluted). Predicted band size:80kDa.Observed band size:80kDa.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.