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SCIN Antibody

Rabbit mAb
Catalog # AP92777

Product Information

Application	WB, IHC
Primary Accession	Q9Y6U3
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	Adseverin; Scin; Scinderin;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	80489

Additional Information

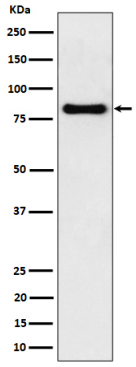
Dilution	WB 1:500~1:2000 IHC 1:50~1:200
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human SCIN
Description	Ca(2+)-dependent actin filament-severing protein that is presumed to have a regulatory function in exocytosis by affecting the organization of the microfilament network underneath the plasma membrane.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

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:26365202, PubMed:8547642). 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:11568009). 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:11568009).
Cellular Location	Cytoplasm, cytoskeleton. Cell projection, podosome {ECO:0000250|UniProtKB:Q60604}

Tissue Location	Expressed in megakaryocytes.

Images



Western blot analysis of SCIN expression in mouse kidney cell lysate.

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