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Fascin Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP6736c

Specification

Fascin Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q16658

Fascin Antibody (Center) Blocking Peptide - Additional Information

Gene ID 6624

Other Names
Fascin, 55 kDa actin-bundling protein, Singed-like protein, p55, FSCN1, FAN1, HSN, SNL

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP6736c was selected from the Center region of human Fascin. 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.

Fascin Antibody (Center) Blocking Peptide - Protein Information

Name FSCN1

Synonyms FAN1, HSN, SNL

Function
Actin-binding protein that contains 2 major actin binding sites (PubMed:21685497, PubMed:23184945). Organizes filamentous actin into parallel bundles (PubMed:20393565, PubMed:21685497, PubMed:23184945). Plays a role in the organization of actin filament bundles and the formation of microspikes, membrane ruffles, and stress fibers (PubMed:22155786). Important for the formation of a diverse set of cell protrusions,

such as filopodia, and for cell motility and migration (PubMed:20393565, PubMed:21685497, PubMed:23184945). Mediates reorganization of the actin cytoskeleton and axon growth cone collapse in response to NGF (PubMed:22155786).

Cellular Location
Cytoplasm, cytosol. Cytoplasm, cell cortex. Cytoplasm, cytoskeleton. Cytoplasm, cytoskeleton, stress fiber. Cell projection, filopodium. Cell projection, invadopodium. Cell projection, microvillus. Cell junction. Note=Colocalized with RUFY3 and F-actin at filipodia of the axonal growth cone. Colocalized with DBN1 and F- actin at the transitional domain of the axonal growth cone (By similarity). {ECO:0000250|UniProtKB:Q61553, ECO:0000269|PubMed:21706053}

Tissue Location
Ubiquitous.

Fascin Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

Fascin Antibody (Center) Blocking Peptide - Images

Fascin Antibody (Center) Blocking Peptide - Background

Fascin organizes filamentous actin into bundles with a minimum of 4.1:1 actin/fascin ratio. It is probably involved in the assembly of actin filament bundles present in microspikes, membrane ruffles, and stress fibers.

Fascin Antibody (Center) Blocking Peptide - References

Qualtrough,D., Br. J. Cancer 101 (7), 1124-1129 (2009)Ono,S., J. Biol. Chem. 272 (4), 2527-2533 (1997)