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Fascin Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6736c

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	Q16658
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB19501
Calculated MW	54530
Antigen Region	322-350

Additional Information

Gene ID	6624
Other Names	Fascin, 55 kDa actin-bundling protein, Singed-like protein, p55, FSCN1, FAN1, HSN, SNL
Target/Specificity	This Fascin antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 322-350 amino acids from the Central region of human Fascin.
Dilution	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Fascin Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

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.

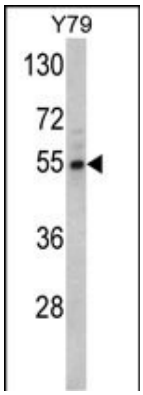
Background

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.

References

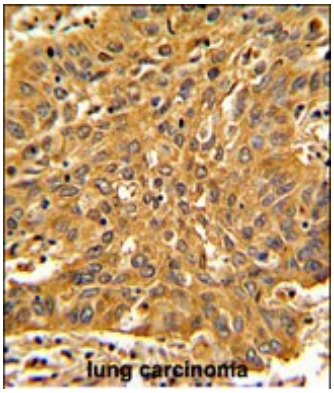
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Ono,S., J. Biol. Chem. 272 (4), 2527-2533 (1997)

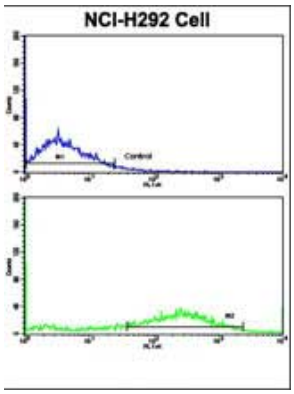
Images



Western blot analysis of Fascin Antibody (Center) (Cat. #AP6736c) in Y79 cell line lysates (35ug/lane). Fascin (arrow) was detected using the purified Pab.

Formalin-fixed and paraffin-embedded human lung carcinoma with Fascin Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.





Flow cytometric analysis of NCI-H292 cells using Fascin Antibody (Center)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

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