

Mouse Fascin Monoclonal Antibody | anti-FSCN1 antibody

Fascin (clone 55K2) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA71640	Mouse	Human, Rat, Mouse	Immunohistochemistry, Immunocytochemistry, ELISA, Western Blot

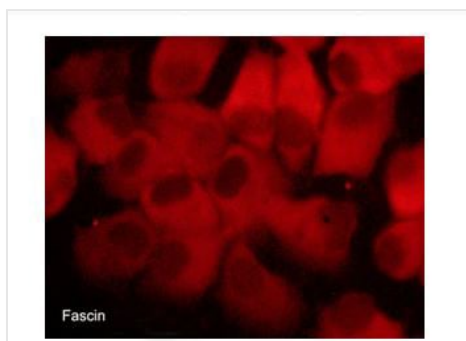
PRODUCT SYNONYMS

Fascin; Monoclonal Antibody; Fascin (clone 55K2) Antibody; Fascin (clone 55K2); anti-FSCN1 antibody

PRODUCT SPECIFICATIONS

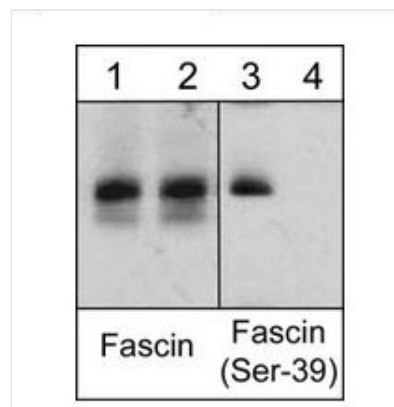
Host	Mouse
Reactivity	Human, Rat, Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	55K2
Specificity	The antibody detects a 55kDa* band corresponding to fascin on SDS-PAGE immunoblots of human A431 and HeLa, as well as mouse C2C12 and rat PC12.
Purity/Purification	Protein A chromatography
Form/Format	Mouse monoclonal antibody purified with protein A chromatography is supplied in 100ul phosphate-buffered saline, 50% glycerol, 1mg/ml BSA, and 0.05% sodium azide.
Applicable Applications for anti-FSCN1 antibody	IHC (Immunohistochemistry), ICC (Immunocytochemistry), ELISA, WB (Western Blot)
Immunogen	Clone (55K2) was generated from full-length human fascin purified from HeLa cells. This sequence has high homology to rat and mouse fascin.
Preparation and Storage	Store at -20 degree C. Stable for 1 year.

IMAGES



ICC (Immunocytochemistry)

Immunocytochemical labeling of Fascin in aldehyde fixed and NP-40 permeabilized human NCI-H1915 lung carcinoma cells. The cells were labeled with mouse monoclonal anti-Fascin (FM2651). The antibody was detected using goat anti-mouse DyLight 594.



WB (Western Blot)

Western blot analysis of human HeLa cells treated with Calyculin A (100nM) for 30 min (lanes 1 & 3) before treatment with lambda phosphatase (lanes 2 & 4). The blots were probed with anti-Fascin (clone 55K2) (lanes 1 & 2) and anti-Fascin (Ser-39) (lanes 3 & 4).

ADDITIONAL INFORMATION

Related Product Information for anti-FSCN1 antibody	Fascin is an actin filament bundling protein localized to lamellipodia and filopodia where it has important roles in cell motility. Regulation of fascin occurs through PKC-mediated phosphorylation of Ser-39 in the F-actin binding site. Cell permeant peptides that block PKC phosphorylation of Ser-39 increase cell migration, while peptides that block fascin binding to F-actin alter lamellipodial morphology and cause aberrant cell motility. Studies using RNA interference of fascin show that fibroblasts have reduced number and abnormal morphology of filopodia, while Ser-39 phosphorylation status may determine filopodial frequency. In <i>Drosophila</i> neurons, fascin deficiency causes alterations in actin filaments and leads to abnormal morphology of developing neurons. Thus, fascin is a critical element of actin-based motility in various cell types.
References	Aratyn, Y.S. et al. (2007) <i>Mol Biol Cell</i> . 18(10):3928. Kraft, R. et al. (2006) <i>J Neurosci</i> 26:8734. Vignjevic, D. et al. (2006) <i>J Cell Biol</i> . 174(6):863. Adams, J.C. (2004) <i>Curr Opin Cell Biol</i> . 16(5):590.

NCBI AND UNIPROT INFORMATION

NCBI GI #	2498357
NCBI GeneID	6624
UniProt Accession #	Q16658 ; Q96IC5 ; Q96IH1 ; Q9BRF1 ; A6NI89 ; B2RE97
Molecular Weight	Calculated MW: 54kDa Observed MW: 50kDa, 55kDa
NCBI Official Full Name	Fascin
NCBI Official Synonym Full Names	fascin actin-bundling protein 1
NCBI Official Symbol	FSCN1
NCBI Official Synonym Symbols	HSN; SNL; p55; FAN1
NCBI Protein Information	fascin; 55 kDa actin-bundling protein; fascin homolog 1, actin-bundling protein; singed-like (fascin homolog, sea urchin)
UniProt Protein Name	Fascin
UniProt Gene Name	FSCN1
UniProt Synonym Gene Names	FAN1; HSN; SNL
UniProt Entry Name	FSCN1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/fascin-antibody-clone-55k2-immunohistochemistry-immunocytochemistry-western-blot-elisa/71640>