

Rabbit Fascin Polyclonal Antibody | anti-FSCN1 antibody

Fascin (Ser-39), phospho-specific Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA71641	Rabbit	Human, Rat, Mouse, Chicken	Immunocytochemistry, ELISA, Western Blot

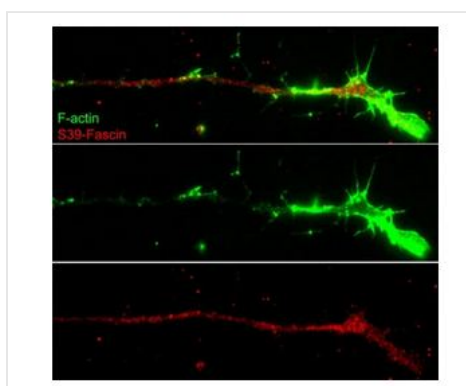
PRODUCT SYNONYMS

Fascin; Polyclonal Antibody; Fascin (Ser-39); phospho-specific Antibody; phospho-specific; Fascin 039 pAb; anti-FSCN1 antibody

PRODUCT SPECIFICATIONS

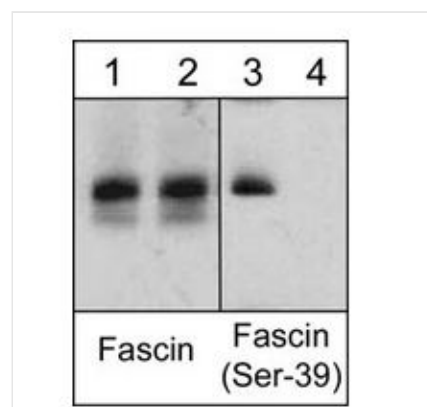
Host	Rabbit
Reactivity	Human, Rat, Mouse, Chicken
Clonality	Polyclonal
Specificity	This antibody was cross-adsorbed to a phospho-serine peptide before affinity purified using phosho-fascin (Ser-39) peptide (without carrier). The antibody detects a 55kDa* band corresponding to fascin on SDS-PAGE immunoblots of mouse C2C12 and human HeLa cells treated with Calyculin A. This band is not observed after lambda phosphatase treatment. The antibody also detects fascin (Ser-39) phosphorylation in chick DRG neurons.
Form/Format	Rabbit polyclonal, affinity-purified antibody is supplied in 100ul phosphate-buffered saline, 50% glycerol, 1mg/ml BSA, and 0.05% sodium azide.
Applicable Applications for anti-FSCN1 antibody	ICC (Immunocytochemistry), ELISA, WB (Western Blot)
Immunogen	Fascin (Ser-39) synthetic peptide (coupled to carrier protein) corresponds to amino acids surrounding serine 39 in human fascin. This sequence has high homology to the conserved site in rat and mouse fascin, as well as to the conserved region in fascin-2, but has low homology to the conserved region in fascin-3.
Preparation and Storage	Store at -20 degree C. Stable for 1 year.

IMAGES



ICC (Immunocytochemistry)

Immunocytochemical labeling of fascin phosphorylation relative to F-actin in chick E9 DRG neurons. The cells were labeled with rabbit polyclonal Fascin (Ser-39) antibody, then detected using appropriate secondary antibody (Red). Fascin (Ser-39) labeling is compared (Top) to F-actin staining (Green). (Image provided by Dr. Gianluca Gallo at Drexel University).



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 Drosophila 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) Mol Biol Cell. 18(10):3928. Kraft, R. et al. (2006) J Neurosci 26:8734. Vignjevic, D. et al. (2006) J Cell Biol. 174(6):863. Adams, J.C. (2004) Curr Opin Cell Biol. 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/polyclonal/fascin-antibody-immunocytochemistry-western-blot-elisa/71641>