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PRODUCT DATASHEET

Anti-Fascin (Ser-39), Phosphospecific Antibody

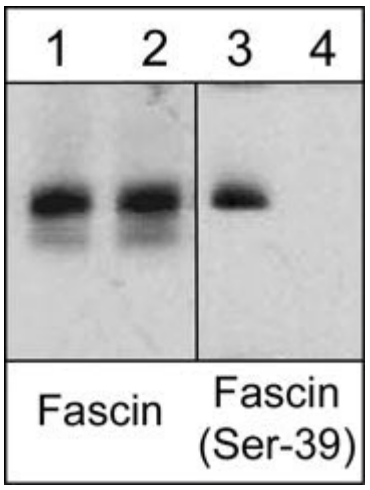
phosphosolutions ANTIBODIES THAT WORK

Product Details

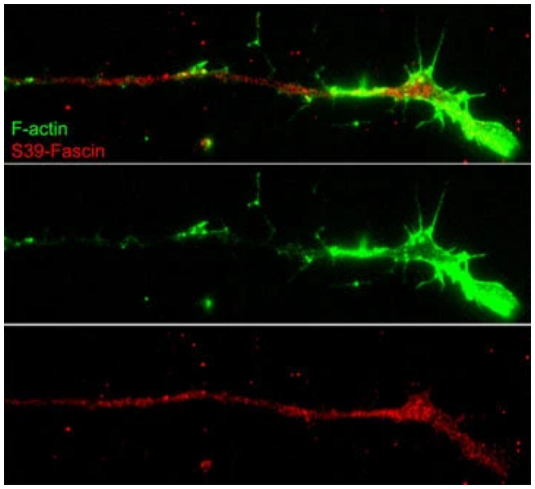
Available Variants	100 µL (SKU:FP2661)
Conjugate	Unconjugated
Isotype	IgG
Gene Name	FSCN1
Host Species	Rabbit
Format	Antigen Affinity Purified
Physical State	Liquid
Buffer	PBS + 1 mg/ml BSA, 0.05% NaN3 and 50% glycerol
Applications	ELISA, ICC, WB
Dilution Ranges	WB: 1:1000 ICC: 1:100
Species Reactivity	Chicken, Human, Mouse, Rat
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.
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 55 kDa* 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.
Molecular Weight	55
Quality Control	Western blots performed on each lot.

Storage	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.
UniProt ID	Q16658 UniProt Summary: Actin-binding protein that contains 2 major actin binding sites. Organizes filamentous actin into parallel bundles. Plays a role in the organization of actin filament bundles and the formation of microspikes, membrane ruffles, and stress fibers. Important for the formation of a diverse set of cell protrusions, such as filopodia, and for cell motility and migration. Mediates reorganization of the actin cytoskeleton and axon growth cone collapse in response to NGF.
Country of Origin	United States
Shipping	Blue Ice
Expiration	After date of receipt, stable for at least 1 year at -20°C.
Usage Statement	For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, which can be viewed on our website.
Post Translational Modification Type	Phosphorylated
Post Translational Modification Residue	Ser-39
NCBI Gene ID	6624

Product Images



Western blot analysis of human HeLa cells treated with Calyculin A (100 nM) 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).



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).