

Anti-Fascin (clone 55K2) Antibody

Catalog # AN1791

Specification

Anti-Fascin (clone 55K2) Antibody - Product Information

Application Primary Accession Reactivity Host Clonality Isotype	WB, IHC <u>Q16658</u> Bovine Mouse Mouse Monoclonal IgG1
Isotype	lgG1
Calculated MW	54530

Anti-Fascin (clone 55K2) Antibody - Additional Information

Gene ID Other Names p55 6624

Target/Specificity

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.

Dilution WB~~1:1000 IHC~~1:100~500

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Anti-Fascin (clone 55K2) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Shipping Blue Ice

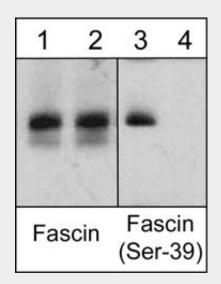
Anti-Fascin (clone 55K2) Antibody - Protocols

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

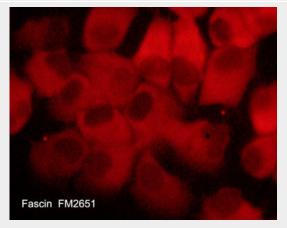


- <u>Western Blot</u>
- <u>Blocking Peptides</u>
- <u>Dot Blot</u>
- Immunohistochemistry
- <u>Immunofluorescence</u>
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

Anti-Fascin (clone 55K2) Antibody - 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 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.

Anti-Fascin (clone 55K2) Antibody - Background

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