

Anti-Fascin/FSCN1 Antibody

Catalog Number: PA1575

About FSCN1

Fascin is a actin cross-linking protein. The Fascin gene contains 5 exons and spans 7 kb. It is a 54-58 kilodalton monomeric actin filament bundling protein originally isolated from sea urchin egg but also found in Drosophila and vertebrates, including humans. Fascin (from the Latin for bundle) is spaced at 11 nanometre intervals along the filament. The bundles in cross section are seen to be hexagonally packed, and the longitudinal spacing is compatible with a model where fascin cross-links at alternating 4 and 5 actins. It is calcium insensitive and monomeric. Fascin binds beta-catenin, and colocalizes with it at the leading edges and borders of epithelial and endothelial cells. The role of Fascin in regulating cytoskeletal structures for the maintenance of cell adhesion, coordinating motility and invasion through interactions with signalling pathways is an active area of research especially from the cancer biology perspective. Abnormal fascin expression or function has been implicated in breast cancer, colon cancer, esophageal squamous cell carcinoma, gallbladder cancer and prostate cancer.

Overview

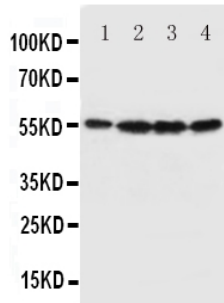
Product Name	Anti-Fascin/FSCN1 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Fascin/FSCN1 Antibody catalog # PA1575. Tested in WB applications. This antibody reacts with Human, Mouse, Rat.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q16658

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human Fascin, identical to the related rat and mouse sequences.
Predicted Reactive Species	Hamster
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG

Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Western blot, 0.1-0.5ug/ml, Human, Rat, Mouse</p>

Anti-Fascin/FSCN1 Antibody (PA1575) Images



Anti-Fascin antibody, PA1575, Western blotting
All lanes: Anti Fascin (PA1575) at 0.5ug/ml
Lane 1: U87 Whole Cell Lysate at 40ug
Lane 2: A549 Whole Cell Lysate at 40ug
Lane 3: MCF-7 Whole Cell Lysate at 40ug
Lane 4: HT1080 Whole Cell Lysate at 40ug
Predicted bind size: 55KD
Observed bind size: 55KD

1 Publications Citing This Product

1. PubMed ID: 25231007, Jiang L, Wang P, Chen H. Ups J Med Sci. 2014 Nov;119(4):324-32. Doi: 10.3109/03009734.2014.960053. Epub 2014 Sep 18. Overexpression Of Foxm1 Is Associated With Metastases Of Nasopharyngeal Carcinoma.

Visit bosterbio.com/anti-fascin-antibody-pa1575-boster.html to see all 1 publications.

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