Datasheet for ABIN3042407

anti-Fascin antibody (N-Term)

1 Image | 1 Publication

Go to Product page

Overview

Quantity:	100 µg
Target:	Fascin (FSCN1)
Binding Specificity:	AA 42-73, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Fascin antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Anti-Fascin/FSCN1 Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence at the N-terminus of human Fascin, identical to the related mouse sequence, and different from the related rat sequence by one amino acid.
Sequence:	KKQIWTLEQP PDEAGSAAVC LRSHLGRYLA AD
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-Fascin/FSCN1 Antibody Picoband® (ABIN3042407). Tested in WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.

Product Details

Purification:	Immunogen affinity purified.

Target Details

Target:	Fascin (FSCN1)
Alternative Name:	FSCN1 (FSCN1 Products)
Background:	Synonyms: Fascin,55 kDa actin-bundling protein,Singed-like protein,p55,FSCN1,FAN1, HSN, SNL, Tissue Specificity: Ubiquitous. Background: Fascin is an 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. Sequence Similarities: Belongs to the fascin family.
Molecular Weight:	55 kDa
Gene ID:	6624
UniProt:	Q16658

Application Details

Application Notes:	Western blot, 0.1-0.5 µg/mL, Human, Mouse, Rat 1. Saishin, Y., Shimada, S., Morimura, H., Sato, K., Ishimoto, I., Tano, Y., Tohyama, M.Isolation of a cDNA encoding a photoreceptor cell-specific actin-bundling protein: retinal fascin.FEBS Lett. 414: 381-386, 1997. 2. Wada, Y., Abe, T., Takeshita, T., Sato, H., Yanashima, K., Tamai, M.Mutation of human retinal fascin gene (FSCN2) causes autosomal dominant retinitis pigmentosa.Invest. Ophthal. Vis. Sci. 42: 2395-2400, 2001.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB.

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Application Details

Restrictions:	For Research Use only

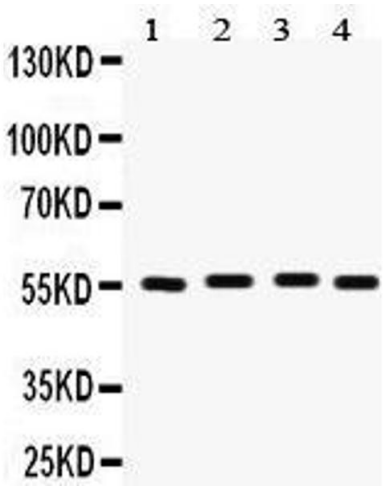
Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl and 0.2 mg Na2HPO4.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C,-20 °C
Storage Comment:	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.

Publications

Product cited in:	Jiang, Wang, Chen: "Overexpression of FOXM1 is associated with metastases of nasopharyngeal carcinoma." in: **Upsala journal of medical sciences**, Vol. 119, Issue 4, pp. 324-32, (2014) (PubMed).

Images



Western Blotting

Image 1.

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