

For Research Use Only

Fascin Monoclonal antibody

Catalog Number: 66321-1-Ig

Featured Product

3 Publications



Basic Information

| | | |
|---|---|---|
| Catalog Number: 66321-1-Ig | GenBank Accession Number: BC000521 | Purification Method: Protein A purification |
| Size: 150ul , Concentration: 2100 ug/ml by 6624 Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard; | GeneID (NCBI): 6624 | CloneNo.: 1B5G3 |
| Source: Mouse | ENSEMBL Gene ID: ENSG00000075618 | Recommended Dilutions: WB 1:1000-1:4000 IHC 1:20-1:2000 IF-P 1:200-1:800 IF/ICC 1:50-1:500 |
| Isotype: IgG2a | UNIPROT ID: Q16658 | |
| Immunogen Catalog Number: AG6074 | Full Name: fascin homolog 1, actin-bundling protein (Strongylocentrotus purpuratus) | |
| | Calculated MW: 55 kDa | |
| | Observed MW: 55 kDa | |

Applications

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| Tested Applications: WB, IHC, IF/ICC, IF-P, FC (Intra), ELISA | Positive Controls: WB : SH-SY5Y cells, HeLa cells, K-562 cells |
| Cited Applications: WB, IHC, IF | IHC : human tonsillitis tissue, human pancreas cancer tissue, human skin cancer tissue |
| Species Specificity: human | IF-P : human tonsillitis tissue, |
| Cited Species: human | IF/ICC : SH-SY5Y cells, |
| Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0 | |

Background Information

Fascin is a highly conserved and ubiquitous actin cross-linking protein that has a major function in cell motility and adhesion. Fascin localizes to a number of highly dynamic cellular structures that require strong mechanical support which include stress fibers and cellular protrusions such as microvilli, microspikes and lamellipodia. Fascin is up-regulated in many human carcinomas. It's a marker for Reed-Sternberg cells in Hodgkin's disease; it is also a highly selective marker for dendritic cells of lymphoid tissues.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|-----------------|-----------|------------------------|-------------|
| Ivan Ramirez | 33641240 | Cytoskeleton (Hoboken) | WB |
| Leiyu Hao | 33458919 | Cell Prolif | WB,IF,IHC |
| Michael D Testa | 37033709 | MicroPubl Biol | IF |

Storage

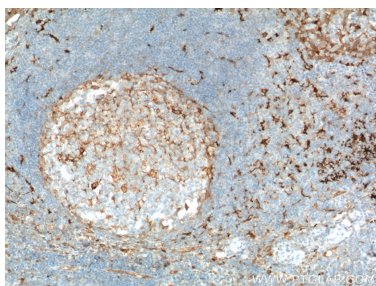
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

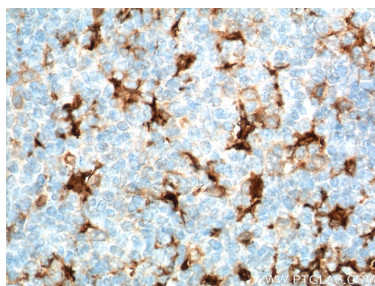
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

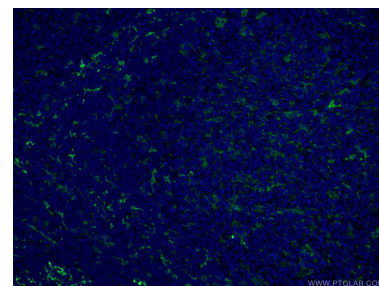
Selected Validation Data



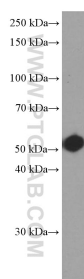
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66321-1-Ig (Fascin Antibody) at dilution of 1:600 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



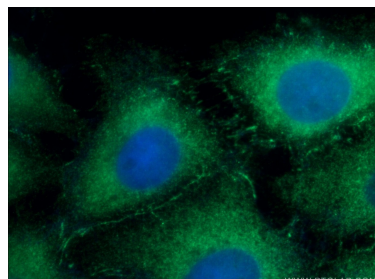
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66321-1-Ig (Fascin Antibody) at dilution of 1:600 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



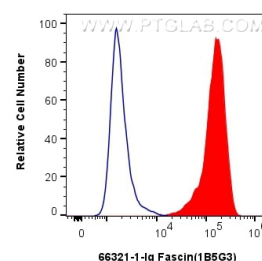
Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using 66321-1-Ig (Fascin antibody) at dilution of 1:100 and CoraLite488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



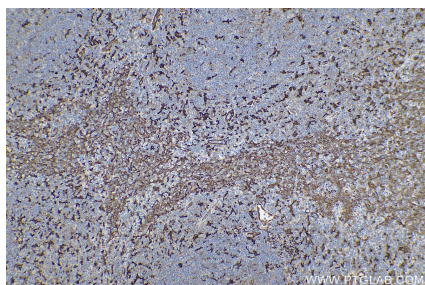
SH-SY5Y cells were subjected to SDS PAGE followed by western blot with 66321-1-Ig (Fascin Antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



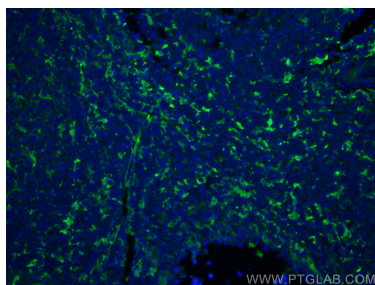
Immunofluorescent analysis of (-20°C Ethanol) fixed SH-SY5Y cells using 66321-1-Ig (Fascin antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



1×10^6 SH-SY5Y cells were intracellularly stained with 0.4 ug Fascin Monoclonal antibody (66321-1-Ig, Clone:1B5G3) and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1) (red), or 0.4 ug Mouse IgG2a isotype control Mouse McAb (66360-2-Ig, Clone: 11A1B2) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66321-1-Ig (Fascin antibody) at dilution of 1:8000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using Fascin antibody (66321-1-Ig, Clone: 1B5G3) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).