

For Research Use Only

Fascin Monoclonal antibody

Catalog Number: 66321-1-Ig

Featured Product

3 Publications



Basic Information

Catalog Number:

66321-1-Ig

Size:

2100 ug/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG6074

GenBank Accession Number:

BC000521

GeneID (NCBI):

6624

ENSEMBL Gene ID:

ENSG00000075618

UNIPROT ID:

Q16658

Full Name:

fascin homolog 1, actin-bundling protein (Strongylocentrotus purpuratus)

Calculated MW:

55 kDa

Observed MW:

55 kDa

Purification Method:

Protein A purification

CloneNo.:

1B5G3

Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:20-1:2000

IF-P 1:200-1:800

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, IF-P, FC (Intra), ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human

Cited Species:

human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : SH-SY5Y cells, HeLa cells, K-562 cells

IHC : human tonsillitis tissue, human pancreas cancer tissue, human skin cancer tissue

IF-P : human tonsillitis tissue,

IF/ICC : SH-SY5Y cells,

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

For technical support and original validation data for this product please contact:

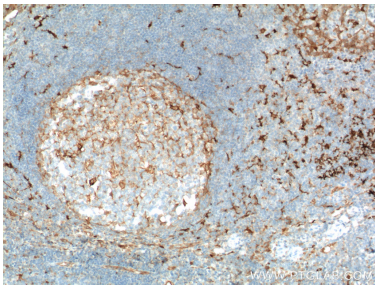
T: 4006900926

E: Proteintech-CN@ptglab.com

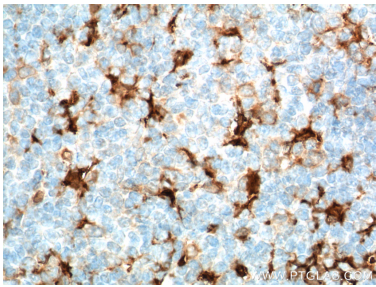
W: ptgcn.com

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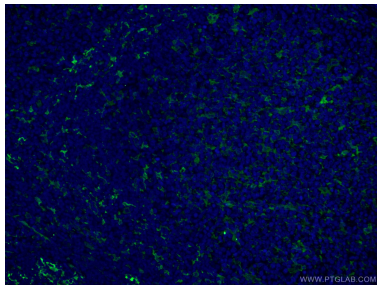
Selected Validation Data



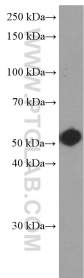
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66321-1-Ig (Fascin Antibody) at dilution of 1:600 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



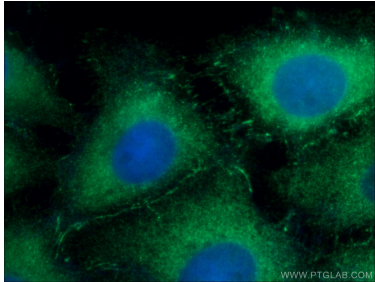
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66321-1-Ig (Fascin Antibody) at dilution of 1:600 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



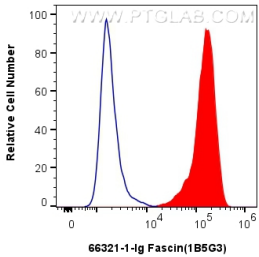
Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using 66321-1-Ig (Fascin antibody) at dilution of 1:100 and CoraLite488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



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.



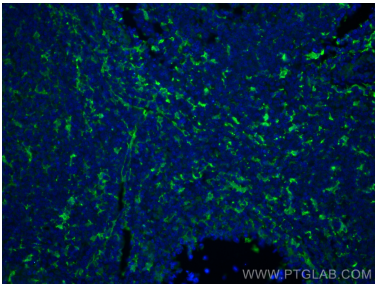
Immunofluorescent analysis of (-20°C Ethanol) fixed SH-SY5Y cells using 66321-1-Ig(Fascin antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



1x10⁶ 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).