SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

Rabbit Anti-phospho-FSCN1 (Ser39)antibody

SL0772R

Product Name	phospho-FSCN1 (Ser39)
Chinese Name	磷酸化纤维束蛋白同源物 1 抗体
Alias	Fascin (phospho Ser39); Fascin (phospho S39); 55 kDa actin bundling protein; Actin bundling protein; FAN 1; FAN1; Fascin 1; Fascin homolog 1 actin bundling protein (Strongylocentrotus purpuratus); Fascin homolog 1; Fascin1; FLJ38511; FSCN 1; FSCN1; HSN; p55; Singed (Drosophila) like (sea urchin fascin homolog like); Singed drosophila homolog like; Singed like (fascin homolog sea urchin) (Drosophila); Singed like protein; SNL; Strongylocentrotus purpuratus.
Product Type	Phosphorylated anti
Research Area	Cell biology Signal transduction Binding protein
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human, Mouse, Rat, (predicted: Dog, Pig,)
Applications	WB=1:500-2000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	55kDa
Cellular localization	cytoplasmic
Form	Liquid
Concentration	1mg/ml
immunogen	KLH conjugated Synthesised phosphopeptide derived from human FSCN1 around the phosphorylation site of Ser39: AS(p-S)LK
Lsotype	IgG
Purification	affinity purified by Protein A
Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.

Storage Shipped at 4℃. Store at -20 ℃ for one year. Avoid repeated freeze/thaw cycles.

Attention This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

PubMed PubMed

Product Detail

Human fascin is a highly conserved actin-bundling protein. Fascin, encoded by the human homolog for sn (hsn) gene, has been localized to microspikes and stress fibers of cultured cells where it is thought to be involved in the formation of microfilament bundles. It is expressed predominantly in dendritic cells. Lymphoid cells, myeloid cells and plasma cells are negative. However, Reed Sternberg cells in Hodgkin's lymphoma are positive for fascin staining. Epstein-Barr virus may induce expression of fascin in B cells.

Function:
Organizes filamentous actin into bundles with a minimum of 4.1:1 actin/fascin ratio. Plays a role in the organization of actin filament bundles and the formation of microspikes, membrane ruffles, and stress fibers. Important for the formation of a diverse set of cell protrusions, such as filopodia, and for cell motility and migration.

Subcellular Location:
Cytoplasm > cytoskeleton. Cell projection > filopodium. Cell projection > invadopodium.

Tissue Specificity:
Ubiquitous.

Post-translational modifications:
Phosphorylation on Ser-39 inhibits the actin-binding ability of fascin.

Similarity:
Belongs to the fascin family.

SWISS:
Q16658

Gene ID:
6624

Database links:

Entrez Gene: 6624 Human

Entrez Gene: 14086 Mouse

Entrez Gene: 683788 Rat

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Omim: 602689 Human

SwissProt: Q16658 Human

SwissProt: Q61553 Mouse

SwissProt: P85845 Rat

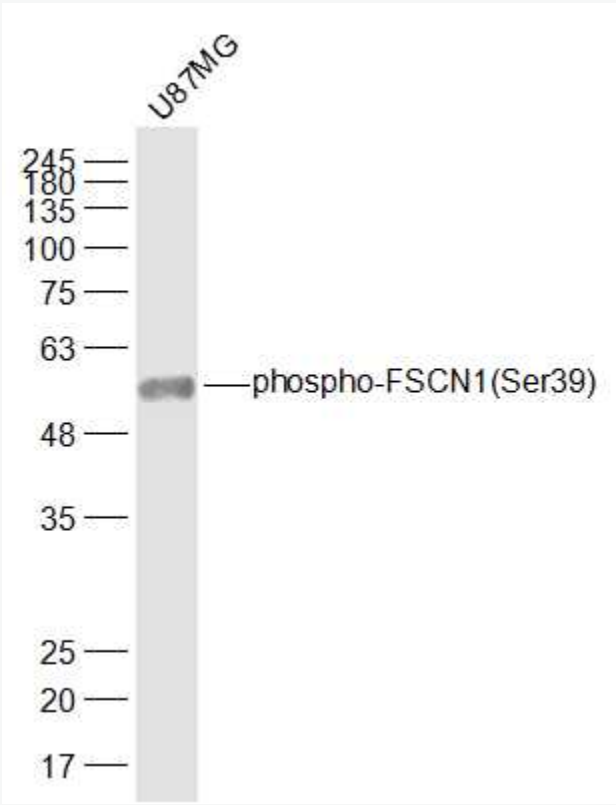
Unigene: 118400 Human

Unigene: 289707 Mouse

Unigene: 199526 Rat

肌动蛋白集束蛋白/圆线虫紫癜抗体。
FSCN1 为 Cytoskeleton 肌动蛋白的一种，该蛋白有蛋白结合,桥连、肌动蛋白丝结合的功能。 主要参与细胞增殖、肌动蛋白 Cytoskeleton 组织和生物发生、肌动蛋白丝束形成。<

Product Picture



Sample:

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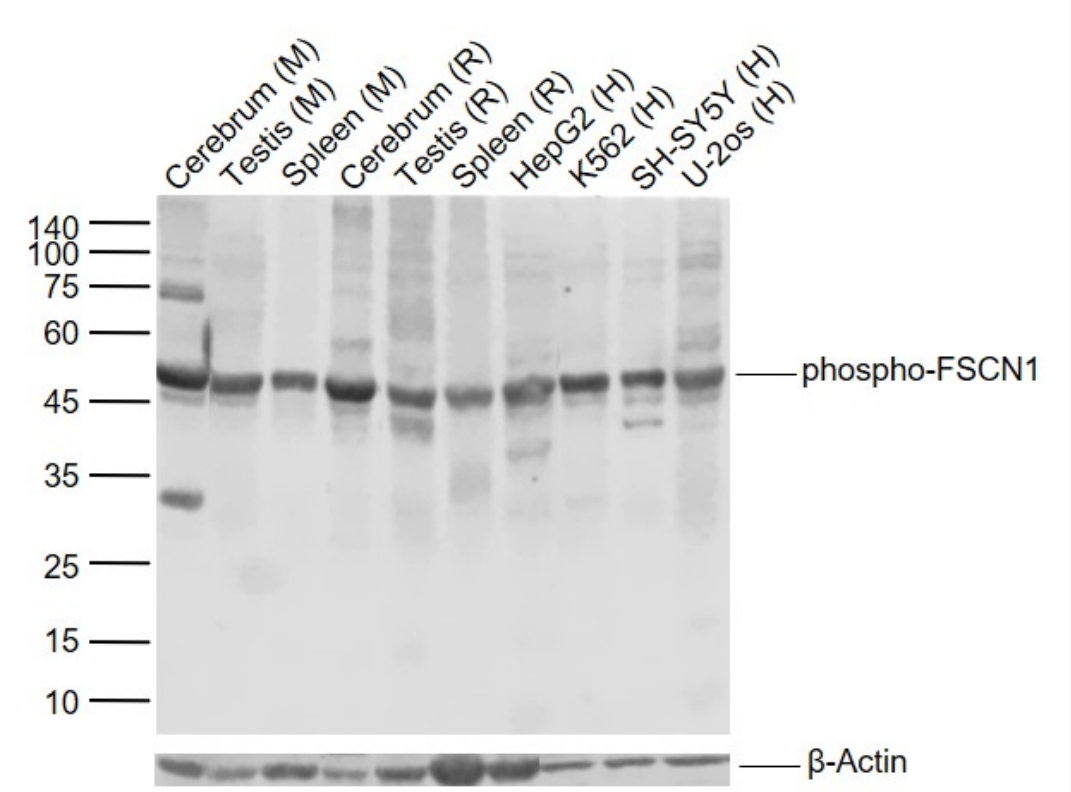
U87MG(Human) Cell Lysate at 30 ug

Primary: Anti-phospho-FSCN1(Ser39) (SL0772R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 55 kD

Observed band size: 55 kD



Sample:

Lane 1: Mouse Cerebrum tissue lysates

Lane 2: Mouse Testis tissue lysates

Lane 3: Mouse Spleen tissue lysates

Lane 4: Rat Cerebrum tissue lysates

Lane 5: Rat Testis tissue lysates

Lane 6: Rat Spleen tissue lysates

Lane 7: Human HepG2 cell lysates

Lane 8: Human K562 cell lysates

Lane 9: Human SH-SY5Y cell lysates

Lane 10: Human U-2os cell lysates

Primary: Anti- phospho-FSCN1 (Ser39) (SL0772R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 55 kDa

Observed band size: 51 kDa

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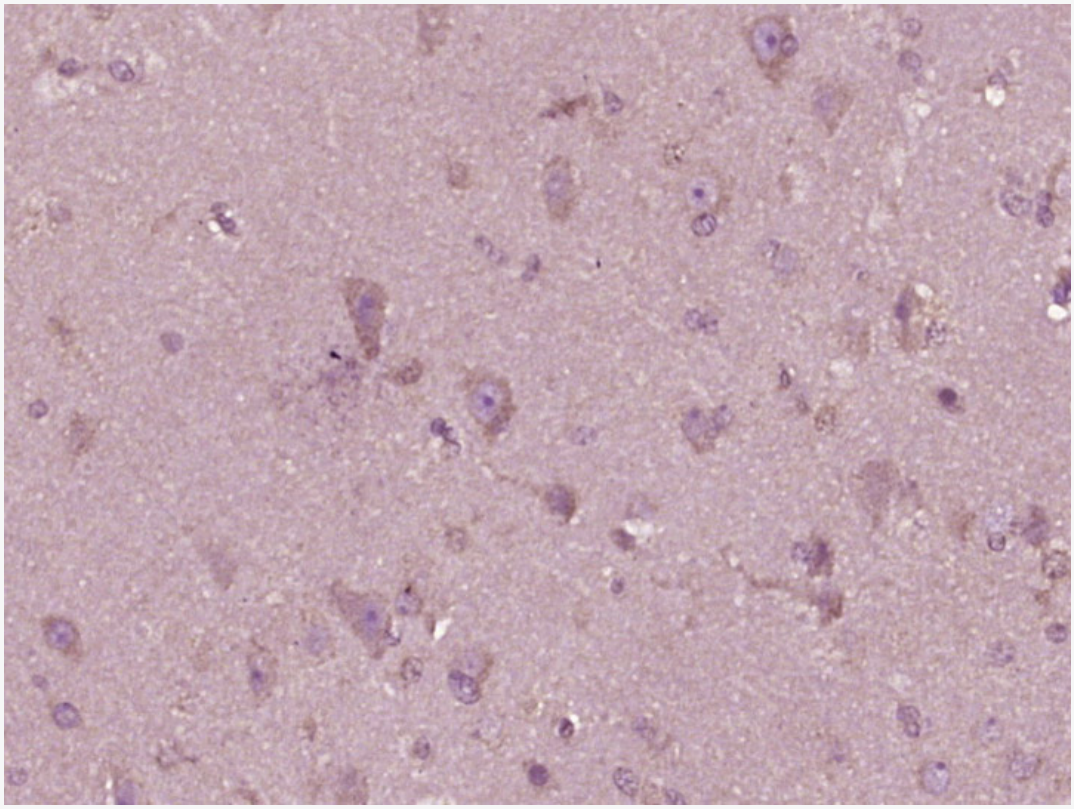

Paraformaldehyde-fixed, paraffin embedded (human brain glioma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (FSCN1(Ser39)) Polyclonal Antibody, Unconjugated (SL0772R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

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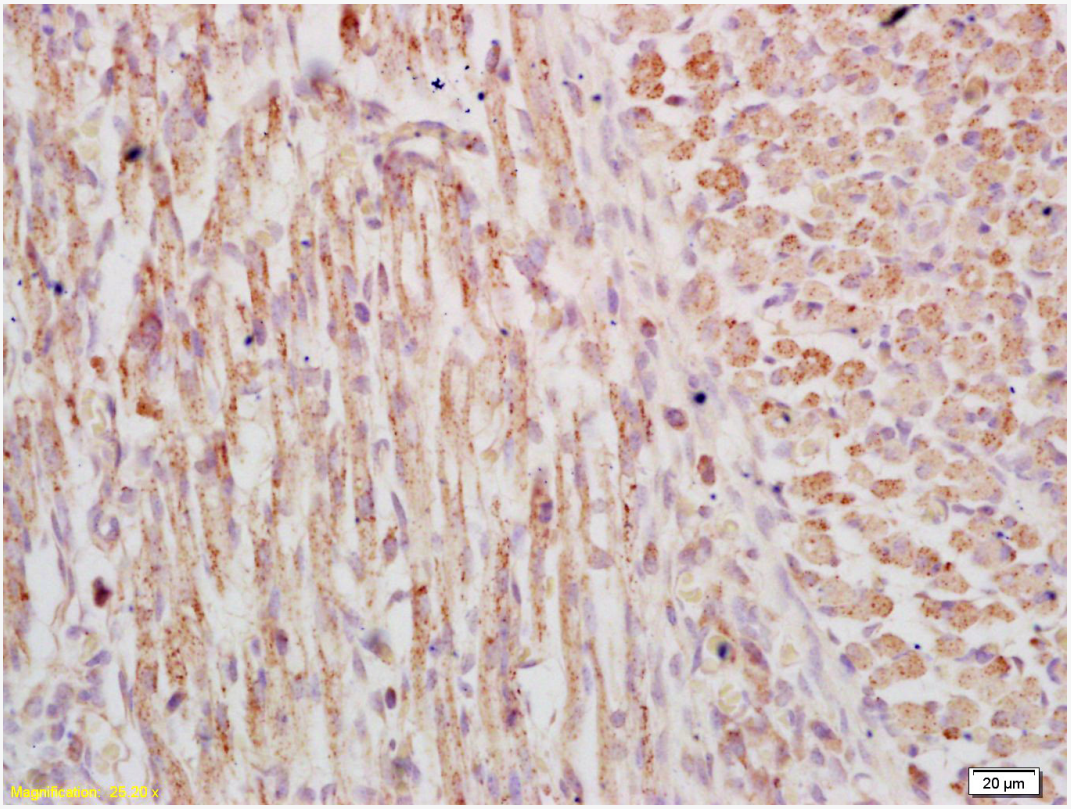

Tissue/cell: musle of mouse embryo; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (1M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;

Incubation: Anti-phospho-FSCN1(Ser39) Polyclonal Antibody, Unconjugated(SL0772R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

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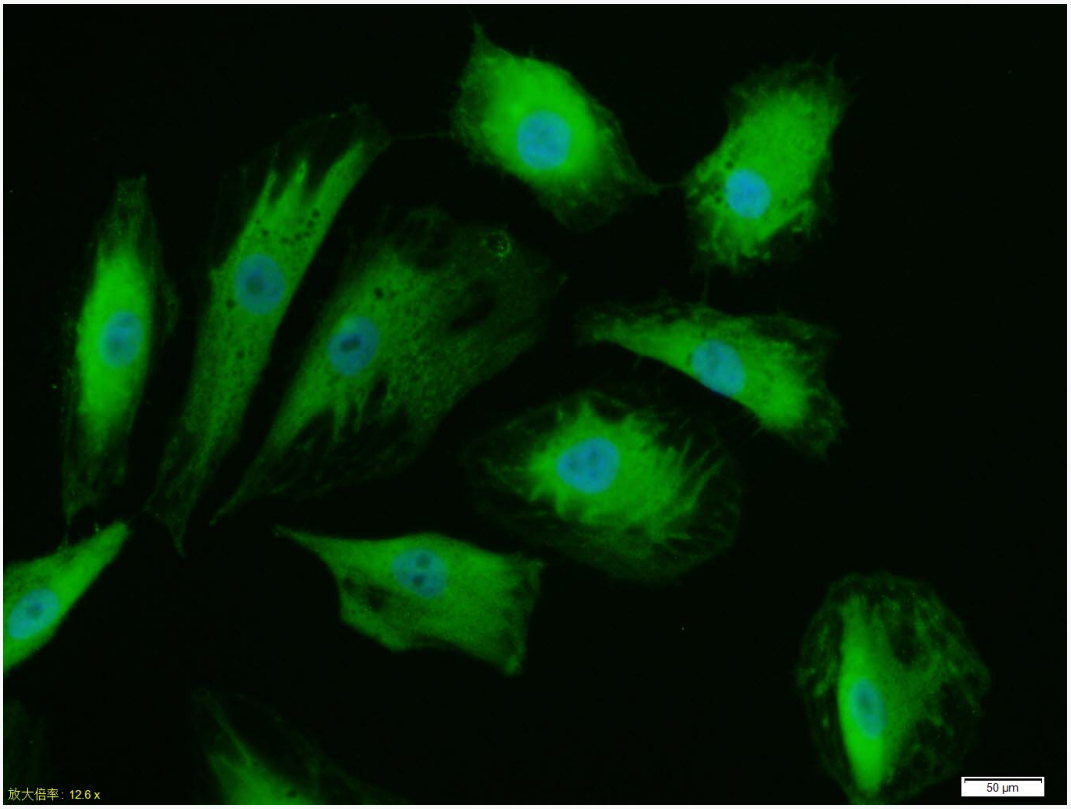

A549 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (phospho-FSCN1 (Ser39)) polyclonal Antibody, Unconjugated (SL0772R) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.

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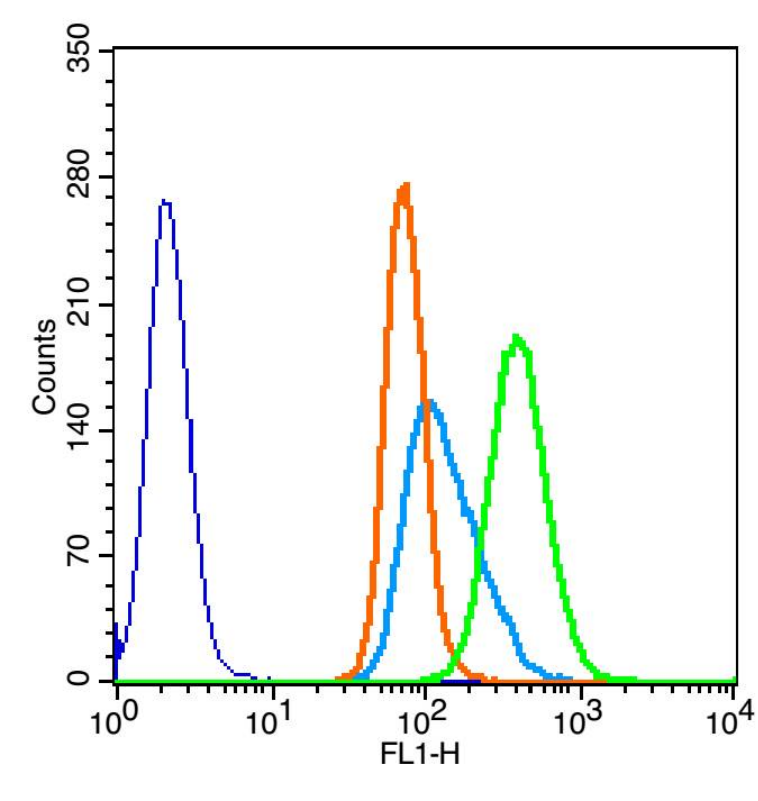

Blank control: U937(blue)

Isotype Control Antibody: Rabbit IgG(orange) ; Secondary Antibody: Goat anti-rabbit IgG-FITC(white blue), Dilution: 1:100 in 1 X PBS containing 0.5% BSA ; Primary Antibody Dilution: 3µl in 100 µL1X PBS containing 0.5% BSA(green).