



## Rabbit Anti-Fascin1 antibody

SL0796R

<b>Product Name:</b>	Fascin1
<b>Chinese Name:</b>	纤维束1抗体
<b>Alias:</b>	55 kDa actin bundling protein; 55 kDa actin-bundling protein; Actin bundling protein; FAN 1; Fscin1; FAN1; Fascin 1; Fascin; Fascin homolog 1 actin bundling protein (Strongylocentrotus purpuratus); Fascin homolog 1; Fascin1; FLJ38511; FSCN 1; FSCN1; FSCN1_HUMAN; HSN; p55; Singed (Drosophila) like (sea urchin fascin homolog like); Singed drosophila homolog like; Singed like (fascin homolog sea urchin) (Drosophila); Singed like (fascin homolog sea urchin); Singed like protein; Singed-like protein; SNL; Strongylocentrotus purpuratus.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Pig,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	55kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human Fascin1:11-110/493
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	This gene encodes a member of the fascin family of actin-binding proteins. Fascin

proteins organize F-actin into parallel bundles, and are required for the formation of actin-based cellular protrusions. The encoded protein plays a critical role in cell migration, motility, adhesion and cellular interactions. Expression of this gene is known to be regulated by several microRNAs, and overexpression of this gene may play a role in the metastasis of multiple types of cancer by increasing cell motility. Expression of this gene is also a marker for Reed-Sternberg cells in Hodgkin's lymphoma. A pseudogene of this gene is located on the long arm of chromosome 15. [provided by RefSeq, Sep 2011]

**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.

**Subunit:**

Associates with beta-catenin. Interacts with PLXNB3.

**Subcellular Location:**

Cytoplasm, cytoskeleton. Cell projection, filopodium. Cell projection, invadopodium. Cytoplasm, cytosol. Note=In glioma cells, partially colocalizes with F-actin stress fibers in the cytosol.

**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

[Oimim: 602689](#)Human

[SwissProt: Q16658](#)Human

[SwissProt: Q61553](#)Mouse

[SwissProt: P85845](#)Rat

[Unigene: 118400](#)Human

[Unigene: 289707](#)Mouse

[Unigene: 199526](#)Rat

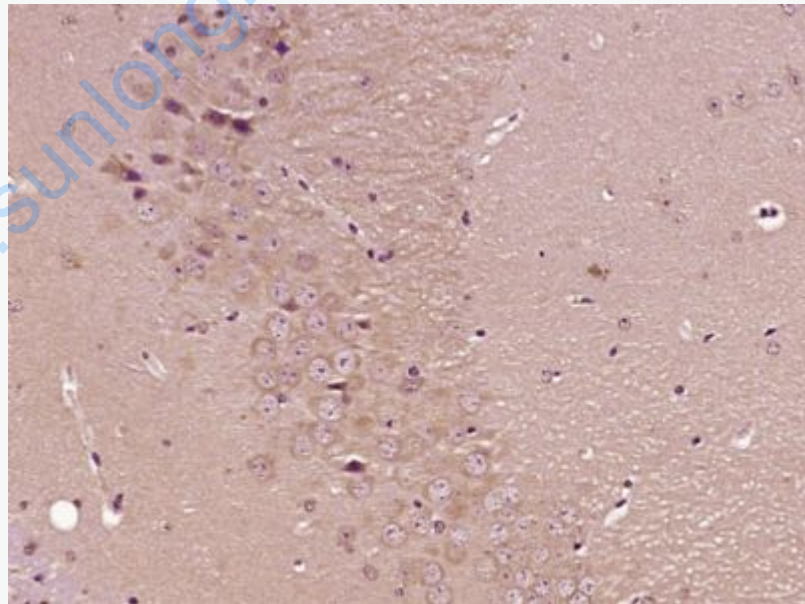
**Important Note:**

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

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。

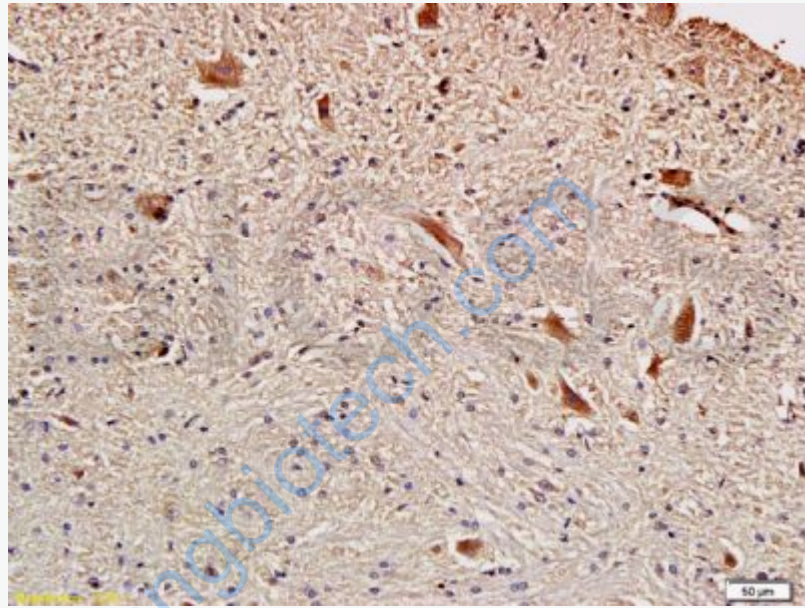
主要参与细胞增殖、肌动蛋白Cytoskeleton组织和生物发生、肌动蛋白丝束形成。Fascin也是一种actinBinding protein, 它的功能是把F-actin聚集捆绑成束, 与细胞的运动相关。病理情况下, 各种恶性Tumour细胞经常高表达Fascin。

**Picture:**

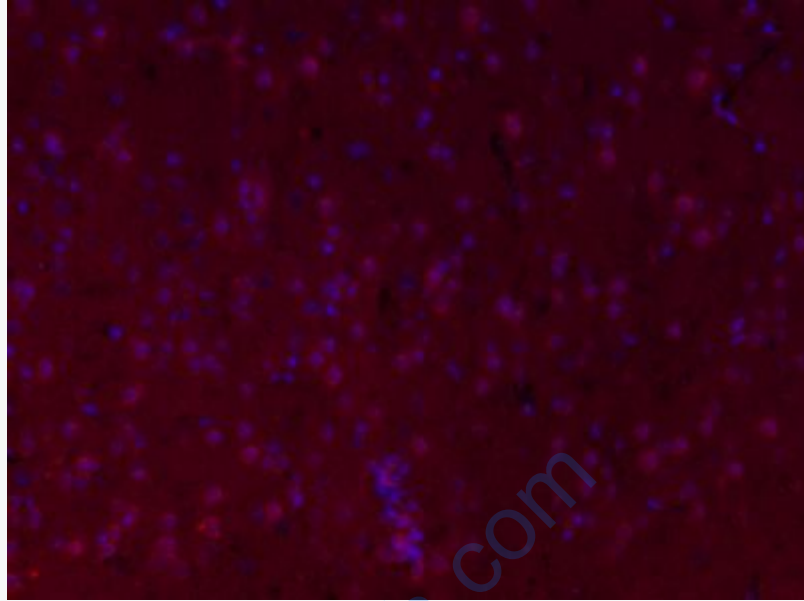


Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C

for 30min; Antibody incubation with (Fascin) Polyclonal Antibody, Unconjugated (SL0796R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Tissue/cell: rat brainstem; 4% Paraformaldehyde-fixed and paraffin-embedded;  
Antigen retrieval: citrate buffer ( 0.01M, 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°C for 20 min;  
Incubation: Anti-Fascin1 Polyclonal Antibody, Unconjugated(SL0796R) 1:300, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); 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 (Fascin1) Polyclonal Antibody, Unconjugated (SL0796R) at 1:400 overnight at 4°C, followed by a conjugated Goat Anti-Rabbit IgG antibody (SL0796R) for 90 minutes, and DAPI for nuclei staining.