

## Rabbit Anti-FSCN1 antibody

SL0796R

**Product Name** FSCN1

**Chinese Name** 纤维束 1 抗体

**Alias** 55 kDa actin bundling protein; 55 kDa actin-bundling protein; Actin bundling protein; FAN 1; Fascin1; FAN1; Fascin 1; Fascin; Fascin homolog 1 actin bundling protein (Strongylocentrotus purpuratus); Fascin homolog 1; Fascin1; FLJ38511; FSCN 1; 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.

**Research Area** Tumour immunology Signal transduction Apoptosis transcriptional regulatory factor Kinases and Phosphatases

**Immunogen Species** Rabbit

**Clonality** Polyclonal

**React Species** Mouse,Rat (predicted:Human,Pig)

**Applications** IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 (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 synthetic peptide derived from human Fascin1: 11-110/493

**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°C. Store at -20 °C 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](#)

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.

**Product  
Detail**

**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

[Omim: 602689](#) Human

[SwissProt: Q16658](#) Human

[SwissProt: Q61553](#) Mouse

[SwissProt: P85845](#) Rat

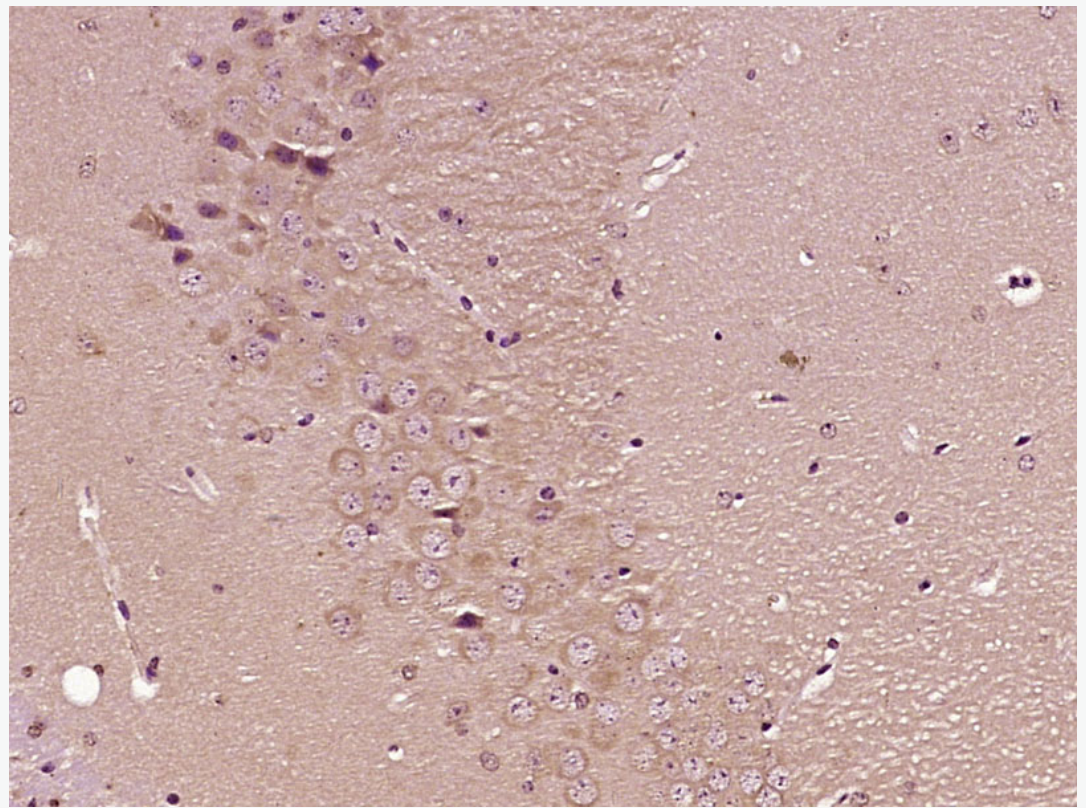
[Unigene: 118400](#) Human

[Unigene: 289707](#) Mouse

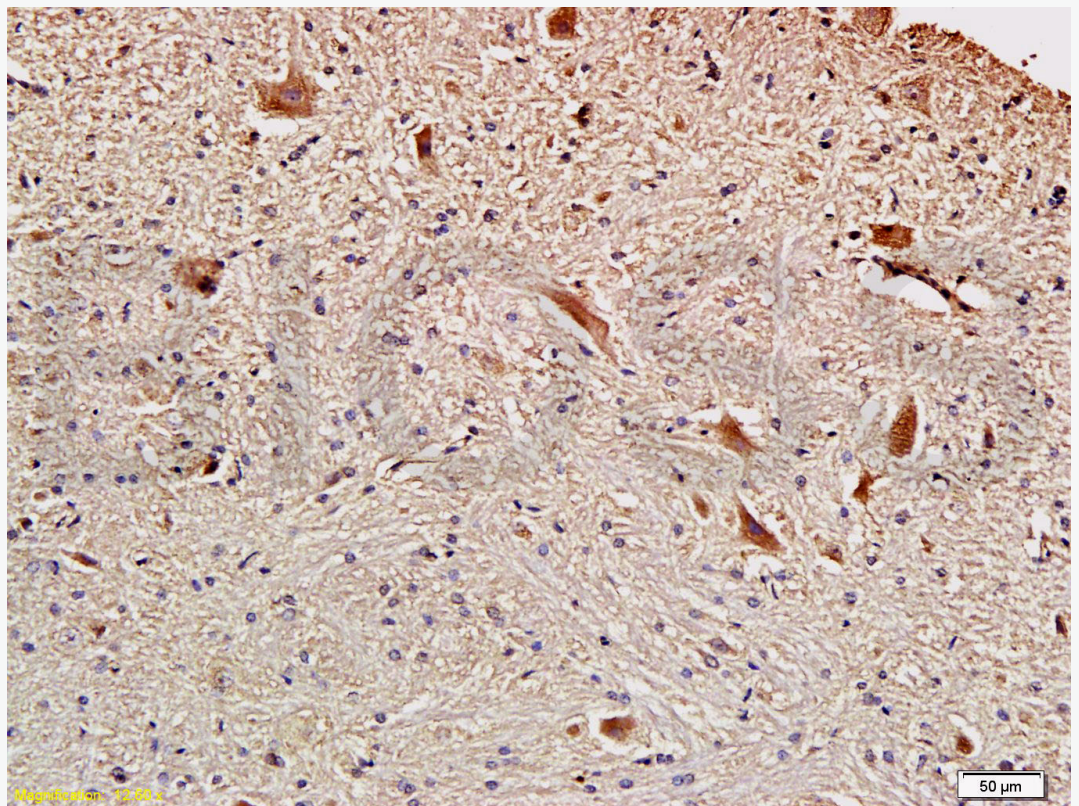
[Unigene: 199526](#) Rat

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。

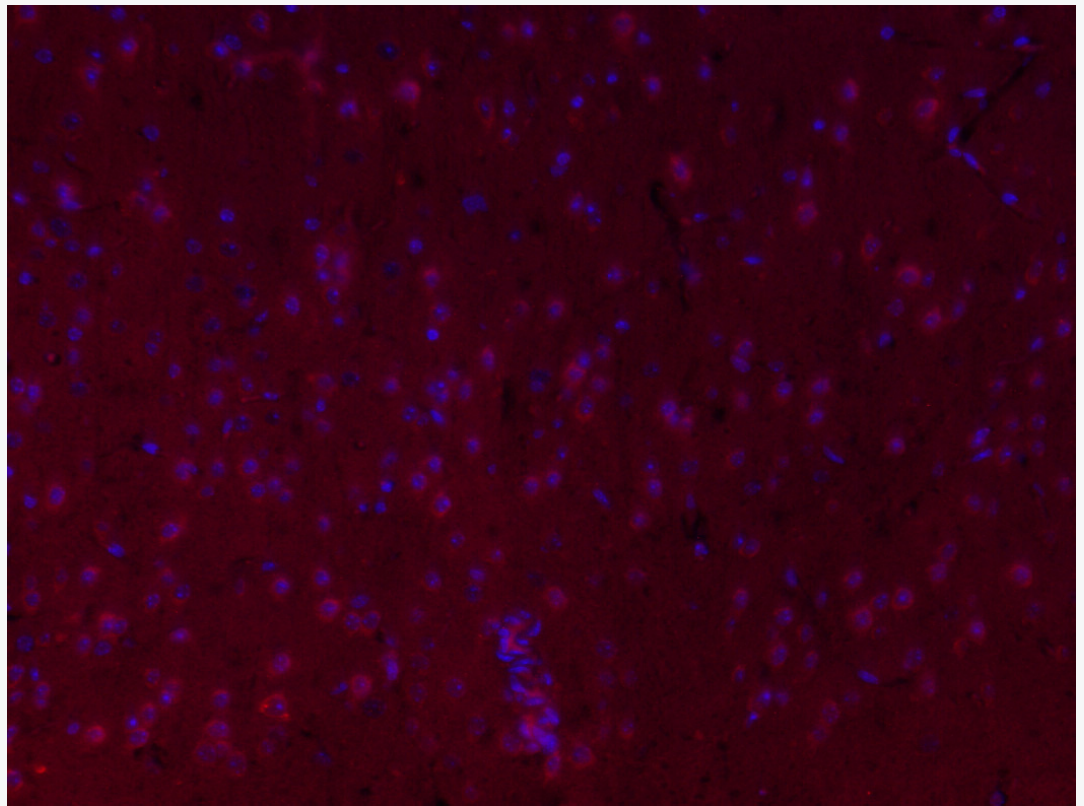
**Product  
Picture**



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 ( 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°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 (SL0295G-cy3) for 90 minutes, and DAPI for nuclei staining.