



Rabbit Anti-Fascin antibody

SL6848R

Product Name:	Fascin
Chinese Name:	肌动蛋白Binding proteinFascin抗体
Alias:	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.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,
Applications:	WB=1:500-2000ELISA=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.
Molecular weight:	55kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Fascin:401-493/493
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	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.
PubMed:	PubMed
Product Detail:	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.

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

[Omim: 602689](#)Human

[SwissProt: Q16658](#)Human

[SwissProt: Q61553](#)Mouse

[SwissProt: P85845](#)Rat

[Unigene: 118400](#)Human

[Unigene: 289707](#)Mouse

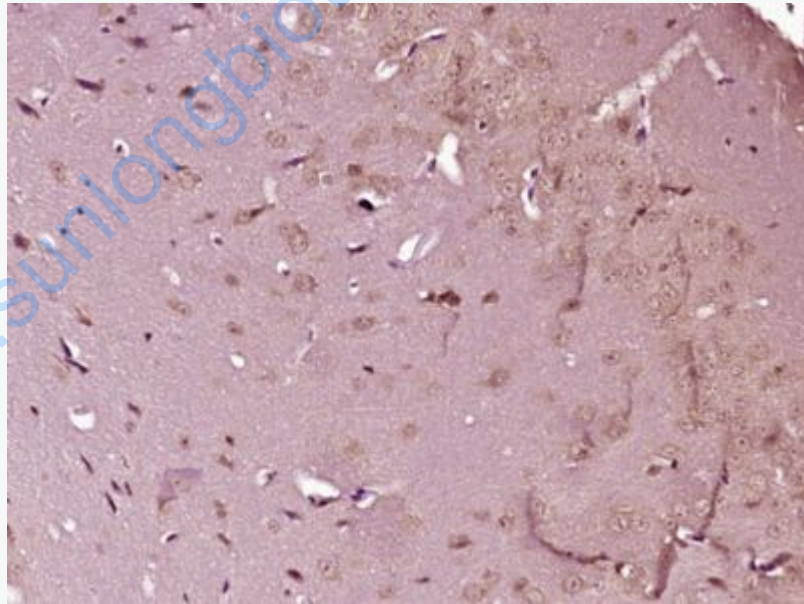
[Unigene: 199526](#)Rat

Important Note:

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

Fascin基因属于fascin家族,其蛋白质编码产物是一种结构独特、进化保守的肌动蛋白(actin)交联蛋白,位于The cell membrane皱褶、微棘及应力纤维,在各种转化细胞中促使The cell membrane突起并增加细胞运动性。近年来研究发现,fascin在许多上皮来源的Tumour组织细胞中表达上调,在Tumour的进展中起重要作用。

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

(SL6848R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

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