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# Rabbit Anti-Fascin/AP Conjugated antibody

SL6848R-AP

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| **Product Name** | Anti-Fascin/AP |
| **Chinese Name** | 碱性磷酸酶（AP）标记的肌动蛋白 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. |
| **Research Area** | Tumour Cell biology Signal transduction Cytoskeleton |
| **Immunogen Species** | Rabbit |
| **Clonality** | Polyclonal |
| **React Species** | Mouse(predicted:Human,Rat,Dog) |
| **Applications** | IHC-P=1:100-500,IHC-F=1:100-500<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user. |
| **Molecular weight** | 55kDa |
| **Form** | Lyophilized or Liquid |
| **Concentration** | 1mg/ml |
| **immunogen** | KLH conjugated synthetic peptide derived from human Fascin |
| **Lsotype** | IgG |
| **Purification** | affinity purified by Protein A |
| **Storage Buffer** | 1M TBS(pH7.4) with 1% BSA, 3% 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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |
| **Product Detail** | **background:**<br>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.

**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

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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 fascins 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。