



# Fascin (ABT101R) Rabbit mAb (Ready to Use)

<b>Catalog No</b>	YP-rAb-18227
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human,Mouse,Rat
<b>Applications</b>	IHC
<b>Gene Name</b>	FSCN1 FAN1 HSN SNL
<b>Protein Name</b>	Fascin (55 kDa actin-bundling protein) (Singed-like protein) (p55)
<b>Purification Process</b>	Protein A
<b>Specificity</b>	This antibody detects endogenous levels of Fascin
<b>Formulation</b>	The prediluted ready-to-use antibody is diluted in phosphate buffer saline containing stabilizing protein and 0.05% Proclin 300
<b>Source</b>	Monoclonal, Rabbit,IgG
<b>Dilution</b>	Ready to use for IHC Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0
<b>Concentration</b>	0.5 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	2° C to 8° C/1 year,Ship by ice bag
<b>Synonyms</b>	55 kDa actin bundling protein ; 55 kDa actin-bundling protein ; Actin bundling protein ; actin bundling protein, 55-KD ; FAN 1 ; FAN1 ; Fascin 1 ; Fascin actin bundling protein 1 ; Fascin ; Fascin homolog 1 actin bundling protein ; Strongylocentrotus purpuratus ; Fascin homolog 1 ; Fascin, sea urchin, homolog of, 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, drosophila, homolog of ; Singed-like protein ; SNL ; Strongylocentrotus purpuratus
<b>Observed Band</b>	
<b>Calculated Molecular Weight</b>	
<b>Cell Pathway</b>	Cytoplasmic
<b>Tissue Specificity</b>	Ubiquitous.
<b>Function</b>	Disease:Marks and mediates breast cancer metastasis to the lungs. FSCN1 is not

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functionally validated but achieves the highest statistical significance (P less than 0.000001). Those subjects expressing the lung metastasis signature have a significantly poorer lung metastasis-free survival, but not bone metastasis-free survival, compared to subjects without the signature. **Function:**Organizes filamentous actin into bundles with a minimum of 4.1:1 actin/fascin ratio. Probably involved in the assembly of actin filament bundles present in microspikes, membrane ruffles, and stress fibers. **PTM:**Phosphorylation on Ser-39 inhibits the actin-binding ability of fascin. **similarity:**Belongs to the fascin family. **subunit:**Associates with beta-catenin. **tissue specificity:**Ubiquitous.

### Background

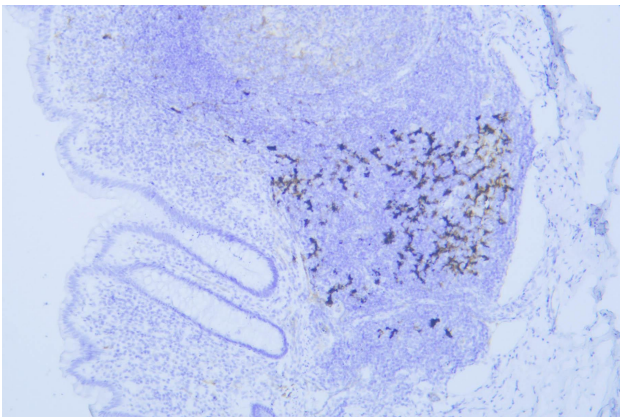
This gene encodes a member of the fascin family of actin-binding proteins. Fascin proteins organize F-actin into parallel bundles, and are required for the formation of actin-based cellular protrusions. The encoded protein plays a critical role in cell migration, motility, adhesion and cellular interactions. 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],

### matters needing attention

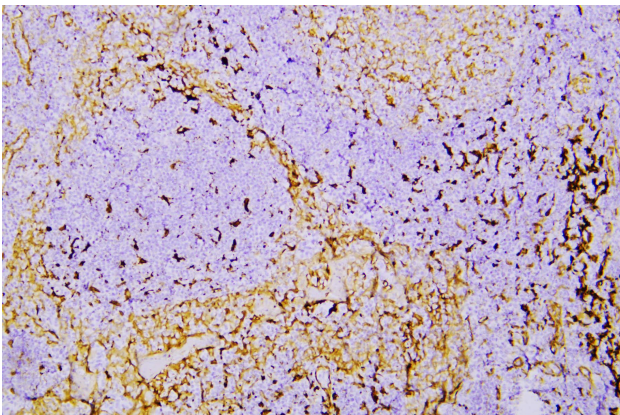
Avoid repeated freezing and thawing!

### Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

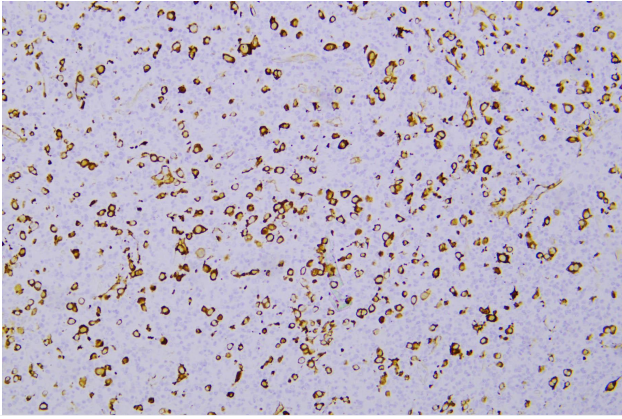


Human malignant melanoma was stained with anti-Fascin (ABT101R) rabbit mAb



Human tonsil was stained with anti-Fascin (ABT101R) rabbit mAb





Human hodgkin lymphoma was stained with anti-Fascin (ABT101R) rabbit mAb

