
Product Name: Fascin 1 Rabbit Polyclonal Antibody**Catalog #: APRab10836**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000
Molecular Weight	55kDa

Antigen Information

Gene Name	FSCN1
Alternative Names	FSCN1; FAN1; HSN; SNL; Fascin; 55 kDa actin-bundling protein; Singed-like protein; p55
Gene ID	6624.0
SwissProt ID	Q16658
Immunogen	The antiserum was produced against synthesized peptide derived from the Internal region of human FSCN1. AA range:261-310

Background

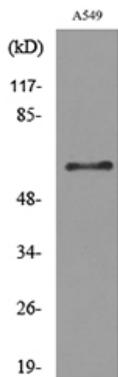
This gene encodes a member of the fascin family of actin-binding proteins. Fascin proteins organize F-actin into parallel

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],disease:Marks and mediates breast cancer metastasis to the lungs. FSCN1 is not 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.,

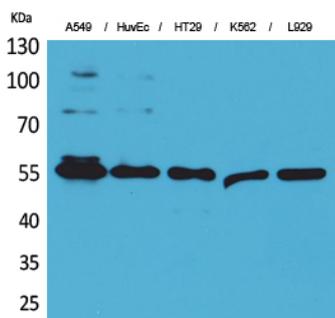
Research Area

Cell Biology

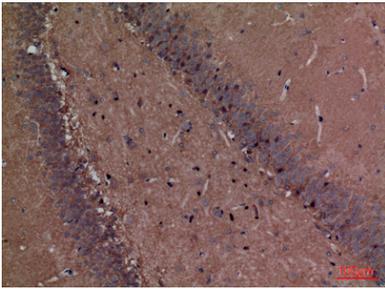
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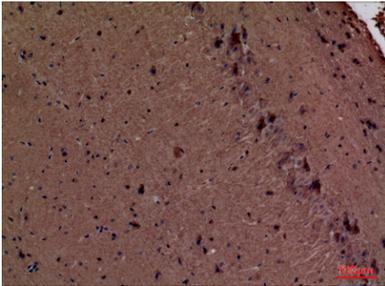
Western blot analysis of lysate from A549 cells, using FSCN1 Antibody.



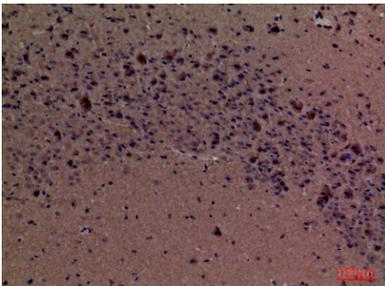
Western Blot analysis of A549, HuvEc, HT29, K562, L929 cells using Fascin 1 Polyclonal Antibody.. Secondary antibody was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded rat-brain, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded mouse-brain, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded mouse-brain, antibody was diluted at 1:100