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FMNL3 Rabbit pAb

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Catalog # AP56152

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q8IVF7
Reactivity	Human
Predicted	Rat, Dog, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	117213
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human FMNL3
Epitope Specificity	951-1028/1028
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm. Note=Enriched in lamellipodia.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The protein encoded by this gene contains a formin homology 2 domain and has high sequence identity to the mouse Wbp3 protein. Two alternative transcripts encoding different isoforms have been described. [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	91010
Other Names	Formin-like protein 3, Formin homology 2 domain-containing protein 3, WW domain-binding protein 3, WBP-3, FMNL3, FHOD3, FRL2, KIAA2014, WBP3
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,Flow-Cyt=1ug/test
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

Name	FMNL3
Synonyms	FHOD3, FRL2, KIAA2014, WBP3

Function	Plays a role in the regulation of cell morphology and cytoskeletal organization. Required in the control of cell shape and migration. Required for developmental angiogenesis (By similarity). In this process, required for microtubule reorganization and for efficient endothelial cell elongation. In quiescent endothelial cells, triggers rearrangement of the actin cytoskeleton, but does not alter microtubule alignment.
Cellular Location	Cytoplasm. Cell membrane; Lipid-anchor Note=Enriched in lamellipodia
Tissue Location	Expressed in endothelial cells.

Background

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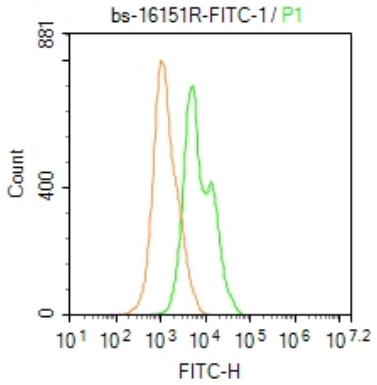
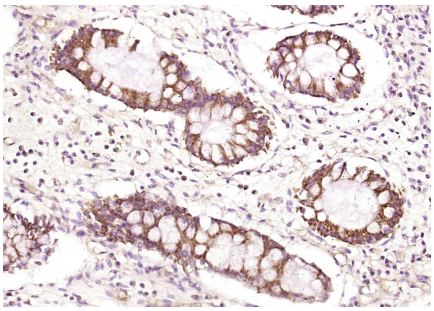
Images



Blank control: Molt4.
Primary Antibody (green line): Rabbit Anti- FMNL3/FITC Conjugated antibody (AP56152-FITC)
Dilution: 1 μg /10^6 cells;
Isotype Control Antibody (orange line): Rabbit IgG-FITC .

Protocol
The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 0.1% PBST for 20 min at-20℃. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. The cells were stained with Primary Antibody for 30 min at room temperature. Acquisition of 20,000 events was performed.



Paraformaldehyde-fixed, paraffin embedded (human colon carcinoma); 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 (FMNL3) Polyclonal Antibody, Unconjugated (AP56152) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

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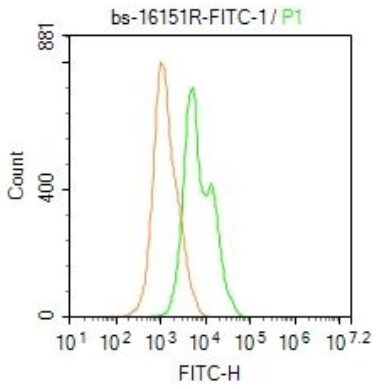

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