

产品名称: Villin-1 (1Y7) Rabbit Monoclonal Antibody
产品货号: AMRe19796



产品概述 (Summary)

产品名称 (Production Name)	Villin-1 (1Y7) Rabbit Monoclonal Antibody
描述 (Description)	Recombinant rabbit monoclonal antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,FC
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Monoclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% protective protein.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	VIL1
别名 (Alternative Names)	VIL; VIL1; Villin1;
基因 ID (Gene ID)	7429.0
蛋白 ID (SwissProt ID)	P09327.A synthetic peptide of human Villin

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:2000-1:20000,FC 1:10-1:100
蛋白分子量 (Molecular Weight)	93kDa

研究背景 (Background)

Ca(2+)-regulated actin-binding protein. Epithelial cell-specific Ca(2+)-regulated actin-modifying protein that modulates the

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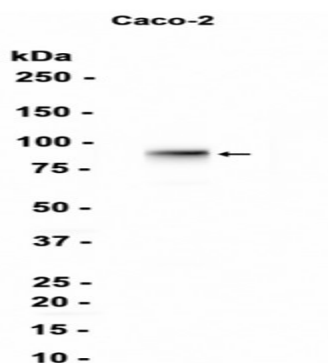


reorganization of microvillar actin filaments. Plays a role in the actin nucleation, actin filament bundle assembly, actin filament capping and severing. Binds phosphatidylinositol 4,5-bisphosphate (PIP2) and lysophosphatidic acid (LPA); binds LPA with higher affinity than PIP2. Binding to LPA increases its phosphorylation by SRC and inhibits all actin-modifying activities. Binding to PIP2 inhibits actin-capping and -severing activities but enhances actin-bundling activity. Regulates the intestinal epithelial cell morphology, cell invasion, cell migration and apoptosis. Protects against apoptosis induced by dextran sodium sulfate (DSS) in the gastrointestinal epithelium. Appears to regulate cell death by maintaining mitochondrial integrity. Enhances hepatocyte growth factor (HGF)-induced epithelial cell motility, chemotaxis and wound repair. Upon *S.flexneri* cell infection, its actin-severing activity enhances actin-based motility of the bacteria and plays a role during the dissemination.

研究领域 (Research Area)

Signal Transduction

图片 (Image Data)



Western blot analysis of extracts from Caco-2 cells using RM6031 at 1:1000.

注意事项 (Note)

For research use only .