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[Primary Antibody]

Recombinant Rabbit Anti-VIL1 Monoclonal Antibody

Catalog Number: SLA3041M

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Clone No.:	5A12
GeneID:	7429
SWISS:	P09327
Target:	VIL1
Immunogen:	A synthesized peptide derived from human Villin 1
Purification:	affinity purified by Protein A
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20℃ for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB (1:500-2000) IP (1:20-50) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Reactivity:	Human
Predicted MW.:	93 kDa
Subcellular Location:	Cytoplasm
Background:	Epithelial cell-specific Ca2+-regulated actin-modifying protein that modulates the 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.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.