

bsm-63256R**[Primary Antibody]**

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Villin Recombinant Rabbit mAb**— DATASHEET —****Host:** Rabbit**Isotype:** IgG**Clonality:** Recombinant**CloneNo.:** 5A12**GeneID:** 7429**SWISS:** P09327**Target:** Villin**Immunogen:** A synthesized peptide derived from human Villin 1: 640-693/827.**Purification:** affinity purified by Protein A**Storage:** 10mM phosphate buffered saline(pH 7.4) with 150mM sodium chloride, 0.05% BSA, 0.02% Proclin300 and 50% glycerol. Store at 4°C for short term. Store at -20°C for long term. Avoid repeated freeze/thaw cycles.**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.**Applications:** WB (1:1000-2000)**IHC-P** (1:100-200)**IHC-F** (1:100-200)**IF** (1:100-200)**IP** (1:20-50)**Reactivity:** Human**Predicted
MW.:** 93 kDa**Subcellular
Location:** Cytoplasm