SVIL Monoclonal Antibody

Catalog No	YP-mAb-06242
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	SVIL
Protein Name	Supervillin (Archvillin) (p205/p250)
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	SVIL Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	243kD
Cell Pathway	Cell membrane; Peripheral membrane protein; Cytoplasmic side. Cytoplasm, cytoskeleton. Cell projection, invadopodium. Cell projection, podosome. Midbody . Cleavage furrow . Tightly associated with both actin filaments and plasma membranes.
Tissue Specificity	Expressed in many tissues. Most abundant in muscle, bone marrow, thyroid gland and salivary gland. Isoform 1 (archvillin) is muscle specific.
Function	function:Forms a high-affinity link between the actin cytoskeleton and the membrane. Isoform 2 (archvillin) is among the first costameric proteins to assemble during myogenesis and it contributes to myogenic membrane structure and differentiation.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the villin/gelsolin family.,similarity:Contains 1 HP (headpiece) domain.,similarity:Contains 5 gelsolin-like repeats.,subcellular location:Tightly associated with both actin filaments and plasma membranes.,subunit:Binds to F-actin.,tissue specificity:Expressed in many tissues. Most abundant in muscle, bone marrow, thyroid gland and salivary gland. Isoform 2 (archvillin) is muscle specific.,
Background	This gene encodes a bipartite protein with distinct amino- and carboxy-terminal domains. The amino-terminus contains nuclear localization signals and the carboxy-terminus contains numerous consecutive sequences with extensive

	similarity to proteins in the gelsolin family of actin-binding proteins, which cap, nucleate, and/or sever actin filaments. The gene product is tightly associated with both actin filaments and plasma membranes, suggesting a role as a high-affinity link between the actin cytoskeleton and the membrane. The encoded protein appears to aid in both myosin II assembly during cell spreading and disassembly of focal adhesions. Several transcript variants encoding different isoforms of supervillin have been described. [provided by RefSeq, Apr 2016],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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