



# SVIL Polyclonal Antibody

<b>Catalog No</b>	BYab-06242
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse
<b>Applications</b>	WB;ELISA
<b>Gene Name</b>	SVIL
<b>Protein Name</b>	Supervillin (Archvillin) (p205/p250)
<b>Immunogen</b>	Synthesized peptide derived from part region of human protein
<b>Specificity</b>	SVIL Polyclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000 ELISA 1:5000-20000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	243kD
<b>Cell Pathway</b>	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.
<b>Tissue Specificity</b>	Expressed in many tissues. Most abundant in muscle, bone marrow, thyroid gland and salivary gland. Isoform 1 (archvillin) is muscle specific.
<b>Function</b>	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.

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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.

## Products Images

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