# Anti-SVIL antibody

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| **Description** | Unconjugated Rabbit polyclonal to SVIL |

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| **Model** | STJ191476 |
| **Host** | Rabbit |
| **Reactivity** | Human, Mouse |
| **Applications** | ELISA, WB |
| **Gene ID** | 6840 |
| **Gene Symbol** | SVIL |
| **Dilution range** | WB 1:500-2000 ELISA 1:5000-20000 |
| **Specificity** | SVIL Polyclonal Antibody detects endogenous levels of protein. |
| **Tissue Specificity** | Expressed in many tissues. Most abundant in muscle, bone marrow, thyroid gland and salivary gland. Isoform 1 (archvillin) is muscle specific. |
| **Purification** | SVIL antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| **Note** | For Research Use Only (RUO). |
| **Protein Name** | Supervillin Archvillin p205/p250 |
| **Molecular Weight** | 243 kDa |
| **Clonality** | Polyclonal |
| **Conjugation** | Unconjugated |
| **Isotype** | IgG |

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| **Formulation** | Liquid form in PBS containing 50% glycerol,and 0.02% sodium azide. |
| **Concentration** | 1 mg/ml |
| **Storage Instruction** | Store at -20°C, and avoid repeat freeze-thaw cycles. |
| **Database Links** | HGNC:11480OMIM:604126 |
| **Alternative Names** | Supervillin Archvillin p205/p250 |
| **Function** | Isoform 1: Forms a high-affinity link between the actin cytoskeleton and the membrane. Is among the first costameric proteins to assemble during myogenesis and it contributes to myogenic membrane structure and differentiation . Appears to be involved in myosin II assembly. May modulate myosin II regulation through MLCK during cell spreading, an initial step in cell migration. May play a role in invadopodial function . Isoform 2: May be involved in modulation of focal adhesions. Supervillin-mediated down-regulation of focal adhesions involves binding to TRIP6. Plays a role in cytokinesis through KIF14 interaction . |
| **Sequence and Domain Family** | As opposed to other villin-type headpiece domains, supervillin HP (SVHP) doesn't bind F-actin due to the absence of a conformationally flexible region (V-loop). |
| **Cellular Localization** | 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. |