

Immunotag™ SVIL Polyclonal Antibody

Antibody Specification	
Catalog No.	ITN1372
Product Description	Immunotag™ SVIL Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	SVIL
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Reactive Species	Human,Mouse
Host Species	Rabbit
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	SVIL Polyclonal Antibody detects endogenous levels of protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Gene Name	SVIL
Accession No.	O95425 Q8K4L3

Antibody Specification

Description	supervillin(SVIL) Homo sapiens 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],
Protein Expression	Cervix carcinoma,Epithelium,Esophagus tumor,Kidney,Platelet,Skin and meninges pool-skin,Ut
Subcellular Localization	podosome,nucleus,cytoplasm,plasma membrane,focal adhesion,actin cytoskeleton,midbody,cleavage furrow,microtubule minus-end,costamere,invadopodium,
Protein 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.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.