

## ARG63098 anti-LCP2 / SLP76 antibody

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes LCP2 / SLP76
Tested Reactivity	Hu
Tested Application	IHC-P, WB
Specificity	The polyclonal antibody reacts with SLP76, a 76kDa cytosolic adaptor protein that is involved in signaling of various hematopoietic cells, such as T cells, mast cells or neutrophils; in B cells, however, it is replaced by SLP65.
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	LCP2 / SLP76
Species	Human
Immunogen	Bacterially expressed fusion protein corresponding to aa. 216-434 of Human SLP76 with histidine tag.
Conjugation	Un-conjugated
Alternate Names	Lymphocyte cytosolic protein 2; SLP-76 tyrosine phosphoprotein; SLP76; SH2 domain-containing leukocyte protein of 76 kDa; SLP-76

### Application Instructions

Application table	Application	Dilution
	IHC-P	10 µg/ml
	WB	Assay-dependent
Application Note	WB: Sample preparation: Resuspend approx. 50 mil. cells in 1 ml cold Lysis buffer (1% laurylmaltoside in 20 mM Tris/Cl, 100 mM NaCl pH 8.2, 50 mM NaF including Protease inhibitor Cocktail). Incubate 60 min on ice. Centrifuge to remove cell debris. Mix lysate with reducing Laemmli SDS-PAGE sample buffer. Application note: Reducing condition. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	WB: Jurkat IHC-P: Thymus	

### Properties

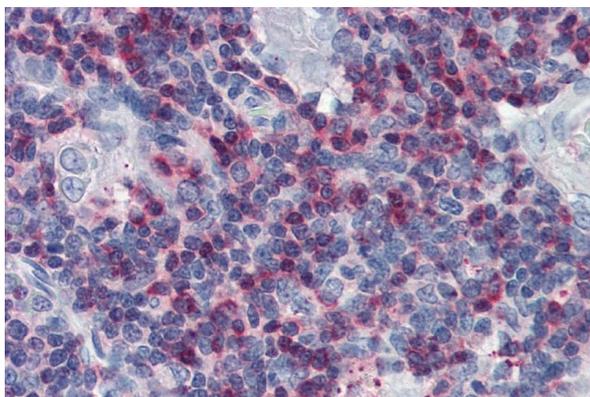
Form	Liquid
Purification	Purified from rabbit serum by precipitation methods.
Purity	> 95% (by SDS-PAGE)
Buffer	PBS (pH 7.4) and 15 mM Sodium azide

Preservative	15 mM Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Database links	<a href="#">GeneID: 3937 Human</a> <a href="#">Swiss-port # Q13094 Human</a>
Gene Symbol	LCP2
Gene Full Name	lymphocyte cytosolic protein 2 (SH2 domain containing leukocyte protein of 76kDa)
Background	SLP76 (SH2 domain-containing leukocyte protein of 76 kDa) is a cytosolic adaptor protein which translocates to the plasma membrane and is involved in multiple signaling pathways in T cells, mast cells, neutrophils and platelets; B cells express its analog SLP65/BLNK (B cell linker protein). SLP76 is phosphorylated by Syk-family and Tec-family tyrosine kinases and couples them to the phosphorylation and activation of PLC-gamma. Via Gads or Grb2, SLP76 also associates with LAT adaptor by involvement of SLP76 proline-rich region. The SH2 domain of SLP76 has been identified as the region involved in binding the serine/threonine kinase HPK1. HPK1 may act as both a positive and a negative regulator by promoting the Jnk-mitogen activated protein kinase (MAPK) pathway and inhibiting the pathway leading to AP-1 activation.
Function	Involved in T-cell antigen receptor mediated signaling. [UniProt]
Research Area	Signaling Transduction antibody
Calculated Mw	60 kDa
PTM	Phosphorylated after T-cell receptor activation by ZAP70, ITK and TXK, which leads to the up-regulation of Th1 preferred cytokine IL-2. SYK-dependent phosphorylation is required for recruitment of PI3K signaling components.

## Images



ARG63098 anti-LCP2 / SLP76 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human thymus tissue stained with ARG63098 anti-LCP2 / SLP76 antibody.