ARG63580
anti-LCP2 / SLP76 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes LCP2 / SLP76
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Cow, Dog, Pig
Tested Application	WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	LCP2 / SLP76
Species	Human
Immunogen	ALRNVPFRSEV-C
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
WB	0.3 - 1 µg/ml

Application Note

WB: Recommend incubate at RT for 1h.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 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	GeneID: 3937 Human Swiss-port # Q13094 Human
Gene Symbol	LCP2
Gene Full Name	lymphocyte cytosolic protein 2
Background	SLP-76 was originally identified as a substrate of the ZAP-70 protein tyrosine kinase following T cell receptor (TCR) ligation in the leukemic T cell line Jurkat. The SLP-76 locus has been localized to human chromosome 5q33 and the gene structure has been partially characterized in mice. The human and murine cDNAs both encode 533 amino acid proteins that are 72% identical and comprised of three modular domains. The NH2-terminus contains an acidic region that includes a PEST domain and several tyrosine residues which are phosphorylated following TCR ligation. SLP-76 also contains a central proline-rich domain and a COOH-terminal SH2 domain. A number of additional proteins have been identified that associate with SLP-76 both constitutively and inducibly following receptor ligation, supporting the notion that SLP-76 functions as an adaptor or scaffold protein. Studies using SLP-76 deficient T cell lines or mice have provided strong evidence that SLP-76 plays a positive role in promoting T cell development and activation as well as mast cell and platelet function. [provided by RefSeq, Jul 2008]
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

ARG63580 anti-LCP2 / SLP76 antibody WB image

Western blot: 35 µg of Jurkat cell lysate (in RIPA buffer) stained with ARG63580 anti-LCP2 / SLP76 antibody at 0.5 µg/ml dilution and incubated at RT for 1 hour.

ARG63580 anti-LCP2 / SLP76 antibody WB image

Western blot: 35 µg of Jurkat cell lysate (in RIPA buffer) stained with ARG63580 anti-LCP2 / SLP76 antibody at 0.3 µg/ml dilution and incubated at RT for 1 hour.