

Datasheet for ABIN1713567
anti-LCP2 antibody (pTyr113)



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Overview

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|----------------------|---|
| Quantity: | 100 µL |
| Target: | LCP2 |
| Binding Specificity: | pTyr113 |
| Reactivity: | Human, Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This LCP2 antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

Product Details

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| Immunogen: | KLH conjugated synthetic peptide derived from human SLP76 (Tyr113) |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse |
| Predicted Reactivity: | Cow, Sheep, Pig, Horse, Rabbit |
| Purification: | Purified by Protein A. |

Target Details

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|---------|------|
| Target: | LCP2 |
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Target Details

Alternative Name: [SLP76 \(LCP2 Products\)](#)

Background: Synonyms: SLP76 phospho Y113, p-SLP76 Y113, p-LCP2, 76 kDa tyrosine phosphoprotein, CG8697, LCP 2, LCP 2, LCP2, LCP2_HUMAN, Lymphocyte Cytosolic Protein 2, Lymphocyte Cytosolic Protein 2, SH2 Domain Containing Leukocyte Protein 76 KD, SH2 domain containing leukocyte protein of 76kD, SH2 domain containing leukocyte protein of 76 kDa, SH2 domain-containing leukocyte protein of 76 kDa, SLP 76, SLP 76, SLP 76 tyrosine phosphoprotein, SLP-76 tyrosine phosphoprotein, SLP76, SLP76 tyrosine phosphoprotein.

Background: The translational product of the Vav proto-oncogene is exclusively expressed in cells of hematopoietic origin and is critical for lymphocyte development and activation. However, the biochemical basis of Vav's function is unclear. Vav contains a single SH2 domain that is required for its association with the T cell receptor (TCR). Overexpression of Vav or SLP-76 in Jurkat cells leads to NFAT activation and IL-2 production. When co-expressed, Vav and SLP-76 synergize to induce a robust basal and TCR-mediated IL-2 response. Although SLP-76 does not contain a motif that would indicate it to be a member of the tyrosine, serine/threonine or lipid kinase families, it does contain several putative SH2/SH3-binding domains and has been shown to physically associate with the adapter protein GRB2 as well as PLC g1. The discovery of SLP-76 represents an important step in elucidating the mechanism of Vav transformation and TCR-mediated NFAT activation.

Pathways: [TCR Signaling, Fc-epsilon Receptor Signaling Pathway](#)

Application Details

Application Notes: WB 1:300-5000
ELISA 1:500-1000
IHC-P 1:200-400
IHC-F 1:100-500
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200
ICC 1:100-500

Restrictions: For Research Use only

Handling

Format: Liquid

Handling

| | |
|--------------------|--|
| Concentration: | 1 µg/µL |
| Buffer: | 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol. |
| Preservative: | ProClin |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage: | 4 °C,-20 °C |
| Storage Comment: | Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. |
| Expiry Date: | 12 months |