

AbboMax, Inc

Innovation at Work

Rabbit anti- p56^{lck} Polyclonal Antibody

Synonym: Lymphocyte specific protein tyrosine kinase, LCK, p56-LCK, LSK.

Order Information

Description: Rabbit anti -p56lck
Catalogue#: 602-360
Lot#: See the label
Size: 100 ug/200 ul
Host: Rabbit
Clone: N/A
Application: ELISA, WB, IHC
Reactivity: Hu. Rt. Ms. Bv. Dg

ANTIGEN PREPARATION

A synthetic peptide derived from Carboxyl-terminus of p56^{lck} protein from human, rat, bovine, dog origin.

BACKGROUND

Lymphocyte specific protein tyrosine kinase (LCK) belongs to Src family protein-tyrosine kinase. It is essential for T-cell development and function. The activity p56^{lck} is regulated by phosphorylation and dephosphorylation of two critical tyrosine residues Tyr394 and Tyr505. Tyr394 and Tyr505 are autophosphorylated after p56^{lck} activation, whereas phosphorylation of Tyr505 is believed to be due to p50^{csk} which negatively modulates P56^{lck} activity. Autophosphorylation at Tyr505 of P56^{lck} may represent an accessory mechanism for the down-regulation of the tyrosine kinase activity of P56^{lck}.

PURIFICATION

The Rabbit IgG is purified by Epitope Affinity Purification.

SPECIFICITY

This antibody recognizes p56^{lck} protein. It is human, rat and mouse reactive. The other species are not tested.

FORMULATION

This affinity purified antibody is supplied in sterile Tris-buffered saline (pH7.2) containing antibody stabilizer

STORAGE

The antibodies are stable for 12 months from date of receipt when stored at -20°C to -70°C. The antibodies can be stored at 2°C-8°C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

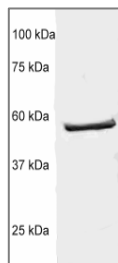
APPLICATIONS/SUGGESTED WORKING DILUTIONS

| | |
|---------------------|----------------|
| Western Blot | 0.1-1 µg/ml |
| ELISA | 0.01-0.1 µg/ml |
| Immunoprecipitation | 2-5 µg/ml |
| IHC | Not tested |
| Flow cytometry | Not tested |

| | |
|---------------------------|--------------|
| MOLECULAR WEIGHT: | 56 kDa |
| POSITIVE CONTROL: | Jurkat cells |
| CELLULAR LOCATION: | Cytoplasmic |

Optimal dilutions should be determined by researchers for the specific applications.

DATA ATTACHMENTS



Western Blot: The whole cell lysate derived from Jurkat was separated in 10% SDS-PAGE, transferred onto NC membrane, and immunoblotted by Rabbit anti-p56lck (Cat#602-360) antibody at 1:500. An immunoreactive band around ~56 kDa is observed.

REFERENCES

Ngozi Monu et al. Suppression of Proximal T Cell Receptor Signaling and Lytic Function in CD8⁺ Tumor-Infiltrating T Cells. Cancer Res 2007; 67(23):11447-54.

FOR RESEARCH USE ONLY.

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