

# Phospho-LAT (Tyr132) Polyclonal Antibody

## Product Details

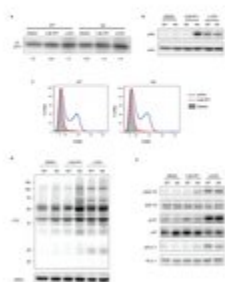
Size	100 µL
Species Reactivity	Human
Published Species	Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	The antiserum was produced against a chemically synthesized phosphopeptide derived from a region of human LAT that contains tyrosine 132.
Form	Liquid
Purification	purified
Storage buffer	Dulbecco's PBS, pH 7.3, with 1mg/mL BSA
Contains	0.05% sodium azide
Storage conditions	-20°C
RRID	AB_2533608

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	6 Publications
Immunocytochemistry (ICC/IF)	-	1 Publication

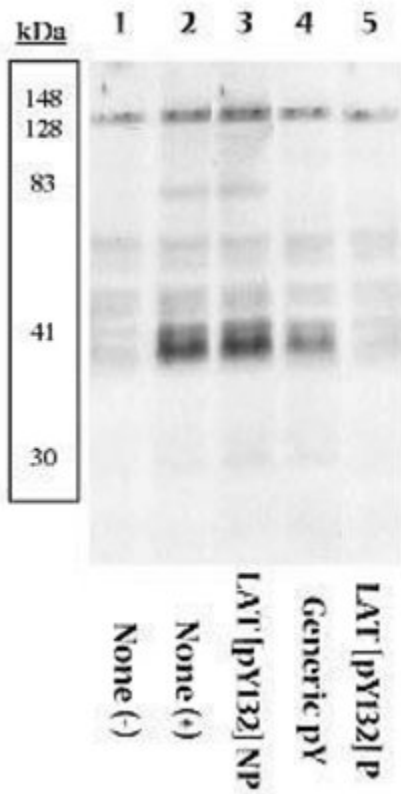
## Advanced Verification Data

### Phospho-LAT (Tyr132) Antibody (44-224)

Inhibition of Csk AS induces tyrosine phosphorylation but not CD69 upregulation in primary mouse T cells. (271) Lighter exposure of pTyr blot from Figure 1d with quantification of p21 normalized to total zeta immunoprecipitated. ( b ) Immunoblot analysis of phosphorylated Akt or actin (loading control) in wild-type (WT) or Csk AS (AS) thymocytes treated for 3min with DMSO, 10 µM 3-IB-PP1 or 20 µg/ml anti-CD3&epsilon;. ( c ) Thymocytes from wild-type (WT) or Csk AS (AS) mice were treated with DMSO, 10 µM 3-IB-PP1 or 10 µg/ml platebound anti-CD3&epsilon; for 12 hours, stained for cell surface CD69 and analyzed by flow cytometry, gated on CD4 + CD8 + thymocytes. ( d ) Immunoblot analysis of phosphorylated tyrosine (p-Tyr) and Erk2 (loading control) in wild-type (WT) or Csk AS (AS) purified peripheral CD4 + T cells treated for 3min as in b . ( e ) Immunoblot analysis of total and phosphorylated (p-) Zap70, Lat and PLC-gamma1 in wild-type (WT) or Csk AS (AS) purified peripheral CD4 + T cells treated for 3min as in b . Data are representative of two ( d ) or three ( a-c and e ) independent experiments. Cell treatment validation info.



## Product Images For Phospho-LAT (Tyr132) Polyclonal Antibody



### Phospho-LAT (Tyr132) Antibody (44-224) in WB

Peptide Competition: Extracts prepared from Jurkat E6.1 cells were left unstimulated (1) or stimulated (2-5), resolved by SDS-PAGE on a 10% polyacrylamide gel, and transferred to PVDF. Membranes were blocked with a 5% BSA-TBST buffer overnight at 4°C.

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## 7 References

### Western Blot (6)

#### Nature communications

#### LFA-1 activates focal adhesion kinases FAK1/PYK2 to generate LAT-GRB2-SKAP1 complexes that terminate T-cell conjugate formation.

"Published figure using Phospho-LAT (Tyr132) polyclonal antibody (Product # 44-224) in Western Blot"

Authors: Raab M, Lu Y, Kohler K, Smith X, Strebhardt K, Rudd CE

**Species**  
Human

**Dilution**  
Not Cited

**Year**  
2017

#### eLife

#### Small molecule inhibition of Csk alters affinity recognition by T cells.

"Published figure using Phospho-LAT (Tyr132) polyclonal antibody (Product # 44-224) in Western Blot"

Authors: Manz BN, Tan YX, Courtney AH, Rutaganira F, Palmer E, Shokat KM, Weiss A

**Species**  
Not Applicable

**Dilution**  
Not Cited

**Year**  
2015

[View more WB references on thermofisher.com](#)

### Immunocytochemistry (1)

#### Scientific reports

#### The Cish SH2 domain is essential for PLC-1 regulation in TCR stimulated CD8<sup>+</sup> T cells.

"44-224 was used in Immunocytochemistry to study the structural and functional relationships between Crish and PLC-1 during CD8<sup>+</sup> T cell activation."

Authors: Guittard G, Dios-Esponera A, Palmer DC, Akpan I, Barr VA, Manna A, Restifo NP, Samelson LE

**Species**  
Human

**Dilution**  
Not Cited

**Year**  
2018

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