# Phospho-Lck-Y505 Antibody

**CABP0285**

## Description

This Phospho-Lck-Y505 Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

## Product Information

| | |
|---|---|
| **SKU:** | CABP0285 |
| **Contents:** | 20 µL, 100 µL<br>Bradford Reagent: 1 vial (2ml) |
| **Category:** | Polyclonal Antibody |
| **Synonyms:** | LSK, YT16, IMD22, p56lck, pp58lck, Phospho-Lck-Y505 |
| **Clone:** | - |
| **Applications:** | WB IP ELISA |
| **Conjugation:** | Unconjugated |
| **Reactivity:** | Human |

## Antibody Data

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|---|---|
| **Gene ID:** | 3932 |
| **Uniprot:** | AB_2771264 |
| **Host Species:** | Rabbit |
| **Purification:** | Affinity purification |
| **Observed MW:** | 56kDa |
| **Calculated MW:** | 58kDa |

## Preparation & Storage

**Storage:** Store at -20℃. Avoid freeze / thaw cycles. Buffer: PBS with 0.01% thimerosal,50% glycerol,pH7.3.
Store Bradford Reagent at Room Temperature for 1 Year.

**Positive Sample:** Jurkat treated with Hydrogen Peroxide or Pervanadate

**Recommended Dilutions:**

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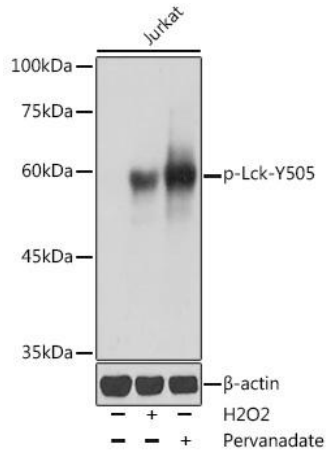
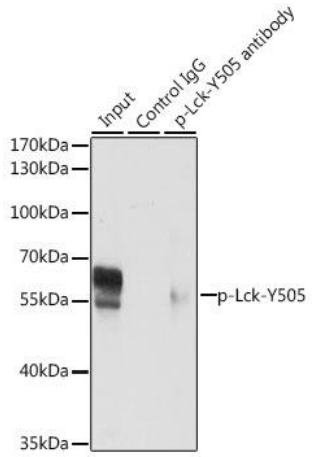
|---|---|
| **WB** | 1:500 - 1:1000 |
| **IP** | 0.5µg-4µg antibody for 200µg-400µg extracts of whole cells |
| **ELISA** | Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. |

**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit https://www.assaygenie.com/bradford-protein-assay-protocol/ to view the full protocol

## Validation Data




Western blot analysis of lysates from Jurkat cells, using Phospho-Lck- Rabbit pAb (CABP0285) at 1:1000 dilution. Jurkat cells were treated with Hydrogen Peroxide (2 mM) at 37℃ for 2 minutes or treated with Pervanadate (1 mM) at 37℃ for 30 minutes after serum-starvation overnight. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (AbGn00021). Exposure time: 1s.




Immunoprecipitation analysis of 200 µg extracts of Jurkat cells, using 3 µg Phospho-Lck- pAb (CABP0285). Western blot was performed from the immunoprecipitate using Phospho-Lck- pAb (CABP0285) at a dilution of 1:1000. Jurkat cells were treated with Hydrogen Peroxide (2 mM) at 37℃ for 2 minutes after serum-starvation overnight.