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# Phospho-LIMK2-T505 Rabbit pAb

**Catalog No.: AP0388**

## Basic Information

**Observed MW**
72kDa

**Calculated MW**
72kDa

**Category**
Primary antibody

**Applications**
WB,IF/ICC

**Cross-Reactivity**
Human, Mouse, Rat

## Background

There are approximately 40 known eukaryotic LIM proteins, so named for the LIM domains they contain. LIM domains are highly conserved cysteine-rich structures containing 2 zinc fingers. Although zinc fingers usually function by binding to DNA or RNA, the LIM motif probably mediates protein-protein interactions. LIM kinase-1 and LIM kinase-2 belong to a small subfamily with a unique combination of 2 N-terminal LIM motifs and a C-terminal protein kinase domain. The protein encoded by this gene is phosphorylated and activated by ROCK, a downstream effector of Rho, and the encoded protein, in turn, phosphorylates cofilin, inhibiting its actin-depolymerizing activity. It is thought that this pathway contributes to Rho-induced reorganization of the actin cytoskeleton. At least three transcript variants encoding different isoforms have been found for this gene.

## Recommended Dilutions

| | |
|---|---|
| **WB** | 1:500 - 1:2000 |
| **IF/ICC** | 1:100 - 1:200 |

## Immunogen Information

**Gene ID**
3985

**Swiss Prot**
P53671

**Immunogen**
Synthetic peptide. This information is considered to be commercially sensitive.

**Synonyms**
LIMK2; Phospho-LIMK2-T505

## Contact


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## Product Information

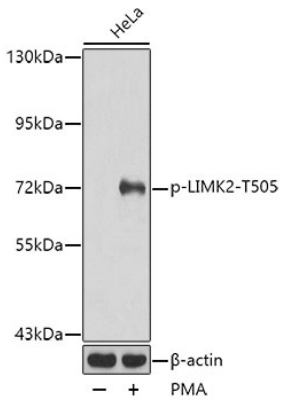
**Source**
Rabbit

**Isotype**
IgG

**Purification**
Affinity purification

**Storage**
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

## Validation Data




Western blot analysis of lysates from HeLa cells, using Phospho-LIMK2-T505 Rabbit pAb (AP0388).
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% BSA.