

# Phospho-Cdc6-S54 Rabbit mAb

Catalog No.: AP1153 **Recombinant** **1 Publications**

## Basic Information

### Observed MW

63kDa

### Calculated MW

63kDa

### Category

Primary antibody

### Applications

WB,ELISA

### Cross-Reactivity

Mouse

### CloneNo number

ARC1693

## Background

The protein encoded by this gene is highly similar to *Saccharomyces cerevisiae* Cdc6, a protein essential for the initiation of DNA replication. This protein functions as a regulator at the early steps of DNA replication. It localizes in cell nucleus during cell cycle G1, but translocates to the cytoplasm at the start of S phase. The subcellular translocation of this protein during cell cycle is regulated through its phosphorylation by Cdks. Transcription of this protein was reported to be regulated in response to mitogenic signals through transcriptional control mechanism involving E2F proteins.

## Recommended Dilutions

**WB** 1:1000 - 1:6000

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

990

### Swiss Prot

Q99741

### Immunogen

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

### Synonyms

CDC18L; HsCDC6; MGOR55; HsCDC18; Phospho-Cdc6-S54

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

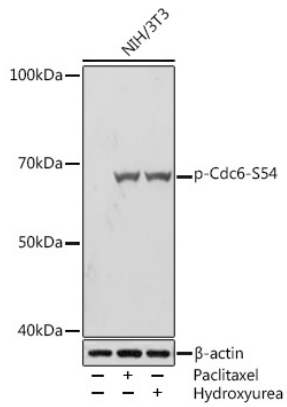
### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

## Validation Data

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Western blot analysis of lysates from NIH/3T3 cells, using Phospho-Cdc6-S54 Rabbit mAb (AP1153) at 1:1000 dilution. NIH/3T3 cells were treated with Paclitaxel (1  $\mu$ M) at 37°C for 20 hours. NIH/3T3 cells were treated with Hydroxyurea (4 mM) at 37°C for 20 hours. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 $\mu$ g per lane. Blocking buffer: 3% BSA. Detection: ECL Basic Kit (RM00020). Exposure time: 5s.