

# Chk1 (Phospho Ser345) Rabbit mAb (AR1892)

## Key Features

Host Species:	Rabbit
Reactivity:	Human,Mouse,Rat
Applications:	WB,IF,ELISA
Isotype:	IgG,Kappa
MW:	54kDa (Calculated) 60kDa (Observed)

## Recommended Dilution Ratios

WB:	1:500-2000
IF:	1:200-1000
ELISA:	1:5000-20000

**Storage** -15°C to -25°C/1 year (Do not lower than -25°C)

## Basic Information

Clonality	Monoclonal
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## Immunogen Information

**Specificity** Phospho-Chk1 (S345) Antibody detects endogenous levels of Chk1 protein only when phosphorylated at S345.

## Target Information

Gene name	CHEK1
Protein Name	Serine/threonine-protein kinase Chk1

Organism	Gene ID	UniProt ID
Human	1111	O14757
Mouse	12649	O35280
Rat	140583	Q91ZN7

## Cellular Localization

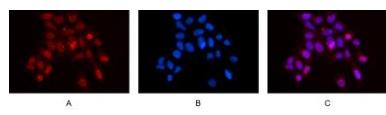
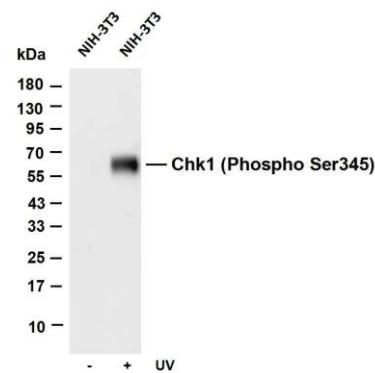
Nucleus. Chromosome. Cytoplasm. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Nuclear export is mediated at least in part by XPO1/CRM1 (PubMed:12676962). Also localizes to the centrosome specifically during interphase, where it may protect centrosomal CDC2 kinase from inappropriate activation by cytoplasmic CDC25B (PubMed:15311285). Proteolytic cleavage at

the C-terminus by SPRTN promotes removal from chromatin (PubMed:31316063).

Expressed ubiquitously with the most abundant expression in thymus, testis, small intestine and colon.

Tissue specificity

## Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Chk1 (Phospho Ser345) antibody. The HRP conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody.

Lane 1: NIH-3T3

Lane 2: NIH-3T3 was treated with UV for 4 hours

Predicted band size: 54kDa

Observed band size: 60kDa

Immunofluorescence analysis of HEK293.

Picture A: Chk1 antibody (red).

Picture B: DAPI (blue).

Picture C: Merge of A+B

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