

Chk2 (Phospho Thr68) Rabbit mAb (AR1889)

Key Features

Host Species:	Rabbit
Reactivity:	Human, Mouse, Rat
Applications:	WB, IHC, IF, IP, ELISA
Isotype:	IgG, Kappa
MW:	61kDa (Calculated) 61kDa (Observed)

Recommended Dilution Ratios

IHC:	1:200-1000
WB:	1:2000-10000
IF:	1:200-1000
ELISA:	1:5000-20000
IP:	1:50-200

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	Chk2 (Phospho Thr68) Antibody detects endogenous levels of Chk2 protein only when phosphorylated at T68. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites): VStQE
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Target Information

Gene name	CHEK2
Protein Name	Serine/threonine-protein kinase Chk2

Organism	Gene ID	UniProt ID
Human	11200	O96017
Mouse	50883	Q9Z265

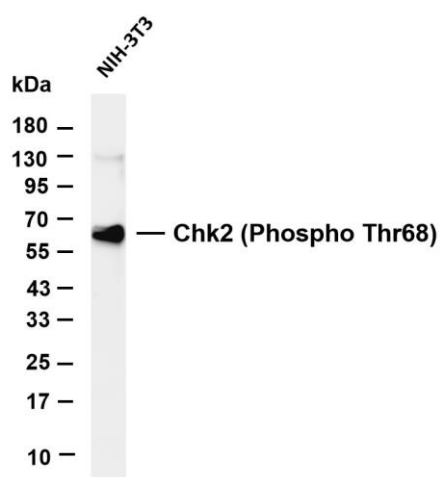
Cellular Localization

[Isoform 2]: Nucleus. Isoform 10 is present throughout the cell.; [Isoform 4]: Nucleus.; [Isoform 7]: Nucleus.; [Isoform 9]: Nucleus.; [Isoform 12]: Nucleus.; Nucleus, PML body. Nucleus, nucleoplasm. Recruited into PML bodies together with TP53.

Tissue specificity

High expression is found in testis, spleen, colon and peripheral blood leukocytes. Low expression is found in other tissues.

Validation Data

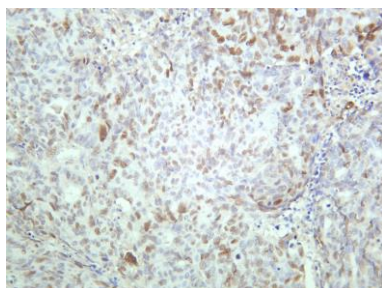


Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Chk2 (Phospho Thr68) antibody. The HRP conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody.

Lane 1: NIH-3T3 was treated with UV for 2 hours

Predicted band size: 61kDa

Observed band size: 61kDa



Human ovarian clear cell carcinoma was stained with anti-Chk2 (PhosphoThr68) rabbit antibody.

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