

## Anti-Chk1 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

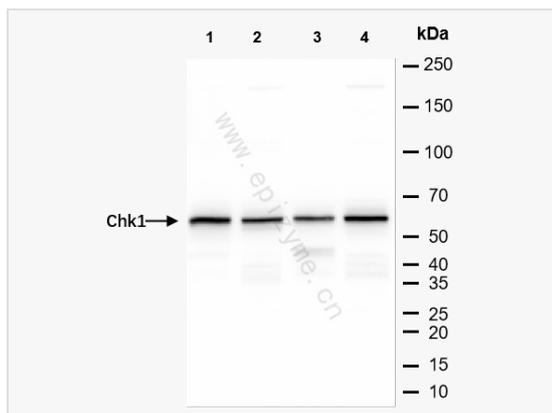
Catalog # R014278

### Product Information

Application	ELISA, WB, IF (Cell)/ICC
Reactivity	Mouse, Human, Rat
Dilution	WB 1:1,000~1:2,000; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	13M12E38
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Chk1
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Chk1 Rabbit mAb [13M12E38] is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

Synonyms	C85740, Cell cycle checkpoint kinase, Checkpoint , S. pombe, homolog of, 1, Checkpoint kinase 1, Checkpoint kinase 1 homolog (S. pombe), CHEK 1, Chk1, Chk 1, Chk1, CHK1 checkpoint homolog (S. pombe), CHK1_HUMAN, EC 2.7.11.1, rad27, Serine/threonine protein kinase Chk1, Serine/threonine-protein kinase CHK1, STT3, subunit of the oligosaccharyltransferase complex, homolog A (S. cerevisiae).
Calculated MW	Calculated MW: 54 kDa; Observed MW: 57 kDa
Uniprot ID	O14757
Gene ID	1111
Background	DNA damage induced protein phosphorylation; regulation of mitotic centrosome separation; regulation of S phase; peptidyl-threonine phosphorylation; DNA repair; chromatin-mediated maintenance of transcription; negative regulation of mitosis;



Western Blot - Anti-Chk1 Rabbit mAb [13M12E38]

All lanes: R014278 at 1:1,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates

Lane 3: C2C12 (Mouse myoblasts epithelial cell) whole cell lysates

Lane 4: A431 (Human epidermoid teratoma cell line) whole cell lysates

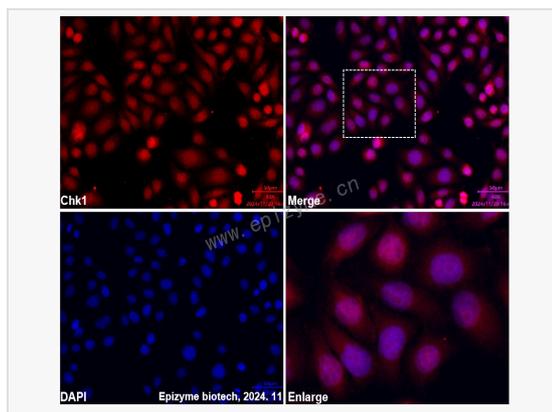
Lysates/proteins at 10  $\mu$ g per lane.

Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 54 kDa

Observed band size: 57 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-Chk1 Rabbit mAb [13M12E38]

Sample: HeLa cells

The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.

Primary antibodies: R014278 at 1:100 dilution

Secondary antibodies: Goat anti-Rabbit (555) at 1:1,000 dilution (shown in red)

Nuclei were stained with DAPI (shown in blue).