

Anti-Phospho-CDK1/2/3 (Thr14) Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

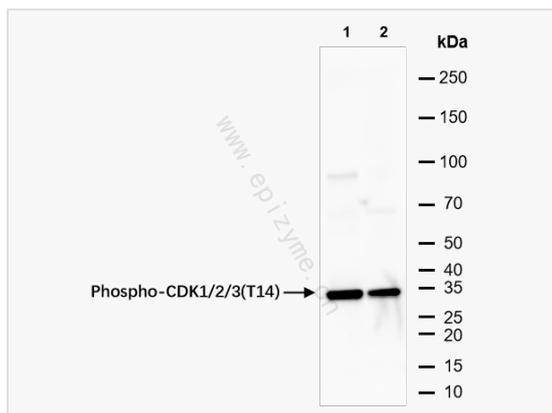
Catalog # R014219

Product Information

Application	IF (Cell)/ICC, ELISA, IHC-P/IF (Tissue-P), WB
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:50~1:100
Host	Rabbit
Clonality	Monoclonal
Clone No.	64C74N87
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Phospho-CDK1/2/3 (Thr14)
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% 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-Phospho-CDK1/2/3 (Thr14) Rabbit mAb [64C74N87] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	CDK1 + Cdk2 + Cdk3 (phospho T14), p-CDK1/2/3 (T14), CDK1, CDK2, CDK3, CDK-1, CDK-2, CDK-3.
Calculated MW	Calculated MW: 74 kDa; Observed MW: 80 kDa
Uniprot ID	P06493, P24941, Q00526
Gene ID	983, 1017, 1018
Background	Plays a key role in the control of the eukaryotic cell cycle, where it is required for entry into S-phase and mitosis.



Western Blot - Anti-Phospho-CDK1/2/3 (Thr14) Rabbit mAb [64C74N87]

All lanes: R014219 at 1:1,000 dilution

Lane 1: A431 (Human epidermoid teratoma cell line) whole cell lysates

Lane 2: T24 (Human bladder cancer epithelial cell) whole cell lysates

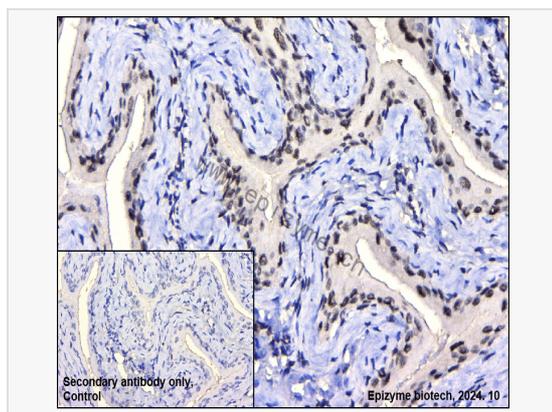
Lysates/proteins at 10 µg per lane.

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

Predicted band size: 34 kDa, 35 kDa

Observed band size: 34 kDa

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



Immunohistochemistry - Anti-Phospho-CDK1/2/3 (Thr14) Rabbit mAb [64C74N87]

Sample: Paraformaldehyde-fixed, paraffin embedded rat bladder tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R014219 at 1:200 dilution

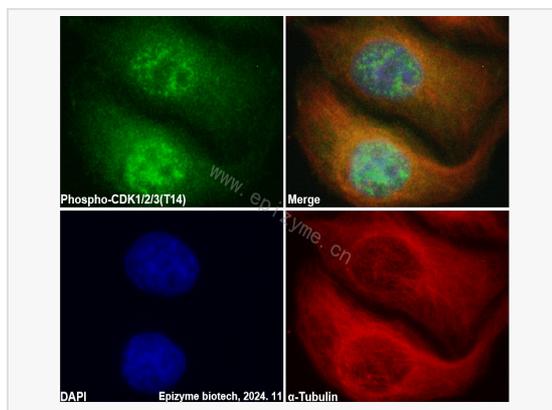
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



Immunofluorescence - Anti-Phospho-CDK1/2/3 (Thr14) Rabbit mAb [64C74N87]

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: R014219 at 1:100 dilution and alpha-tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution

Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)

Nuclei were stained with DAPI (shown in blue).