

Anti-PKN2 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

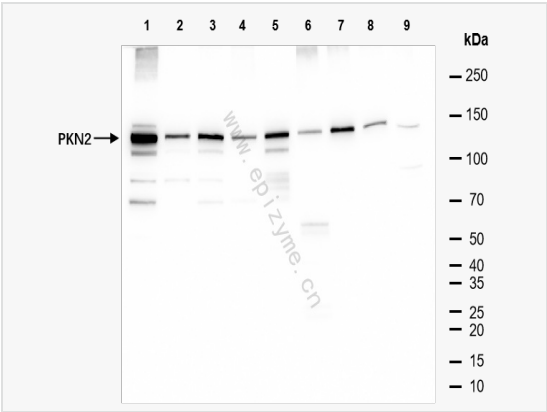
Catalog # R014133

Product Information

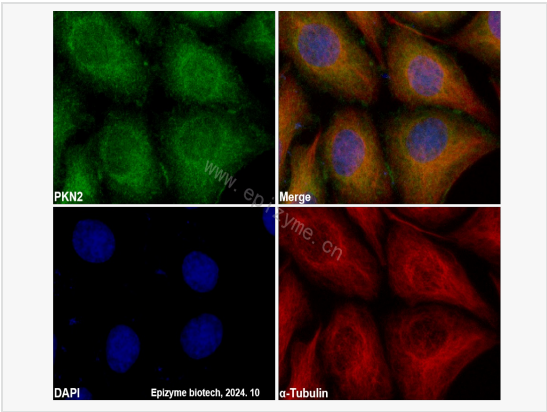
Application	ELISA, WB, IF (Cell)/ICC
Reactivity	Mouse, Rat, Human
Dilution	WB 1:1,000~1:2,000; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	90N07Q69
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human PKN2
Format	Affinity purified monoclonal antibody supplied 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-PKN2 Rabbit mAb [90N07Q69] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	Cardiolipin activated protein kinase Pak2, MGC150606, MGC71074, PAK 2, PAK2, PKN gamma, PKN2, PKN2_HUMAN, PRK2, PRKCL2, PRO2042, Protein kinase C like 2, Protein kinase C related kinase 2, Protein kinase C-like 2, Protein kinase N2, Protein-kinase C-related kinase 2, Serine/threonine-protein kinase N2.
Calculated MW	Calculated MW: 112 kDa; Observed MW: 140 kDa
Uniprot ID	Q16513
Gene ID	5586
Background	Exhibits a preference for highly basic protein substrates.
Cellular Location	Cytoplasm.



Western Blot - Anti-PKN2 Rabbit mAb [90N07Q69]
All lanes: R014133 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: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates
Lane 4: A431 (Human epidermoid teratoma cell line) whole cell lysates
Lane 5: T24 (Human bladder cancer epithelial cell) whole cell lysates
Lane 6: Rat spleen whole tissue lysates
Lane 7: Rat heart whole tissue lysates
Lane 8: Rat muscle whole tissue lysates
Lane 9: Mouse brain whole tissue 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: 112 kDa
Observed band size: 140 kDa
Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-PKN2 Rabbit mAb [90N07Q69]
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: R014133 at 1:100 dilution and α-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).