

## Anti-PKC alpha Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

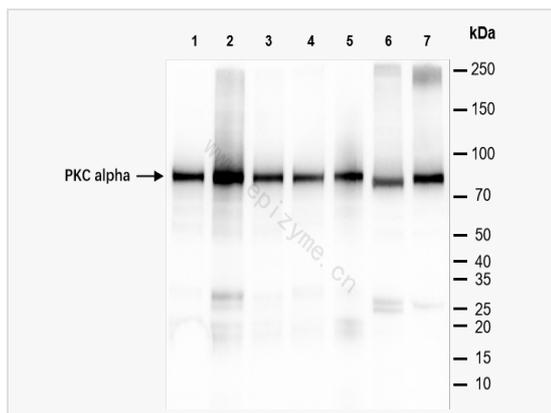
Catalog # R014274

### Product Information

Application	WB, IF (Cell)/ICC, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	57T02F67
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human PKC alpha
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-PKC alpha Rabbit mAb [57T02F67] is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

Synonyms	AAG6, Aging associated gene 6, aPKC, KPCA_HUMAN, PKC alpha, PKC-A, PKC-alpha, PKCA, PRKACA, PRKCA, Protein Kinase C alpha, Protein kinase C alpha type.
Calculated MW	Calculated MW: 75 kDa; Observed MW: 75 kDa
Uniprot ID	P17252
Gene ID	5578
Background	PKC alpha is an AGC kinase of the PKC family. A classical PKC downstream of many mitogenic and receptors. Classical PKCs are calcium-dependent enzymes that are activated by phosphatidylserine, diacylglycerol and phorbol esters.
Cellular Location	Cytoplasm. Cell membrane. Nucleus.



Western Blot - Anti-PKC alpha Rabbit mAb [57T02F67]

All lanes: R014274 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 kidney whole tissue lysates

Lane 7: Rat muscle whole tissue lysates

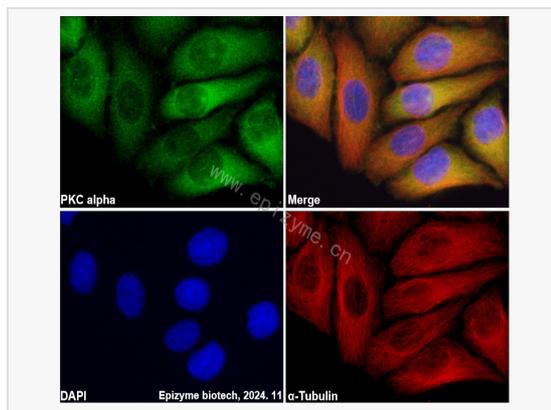
Lysates/proteins at 10  $\mu$ g per lane.

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

Predicted band size: 75 kDa

Observed band size: 75 kDa

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



Immunofluorescence - Anti-PKC alpha Rabbit mAb [57T02F67]

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: R014274 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).