Anti-Phospho-PKC alpha (Thr497) Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R014124

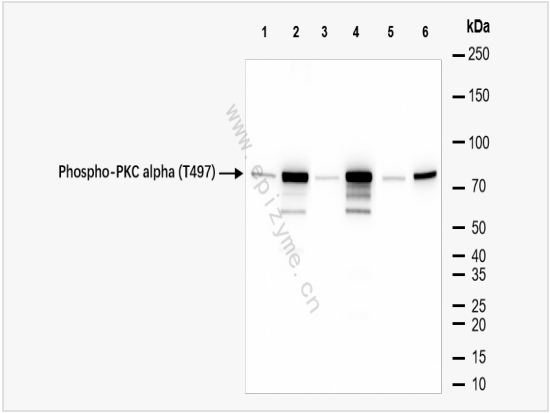
Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Human, Mouse
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	28S72F95
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Phospho-PKC alpha (T497)
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-Phospho-PKC alpha (Thr497) Rabbit mAb [28S72F95] is for research use only and not for use in diagnostic or therapeutic procedures.

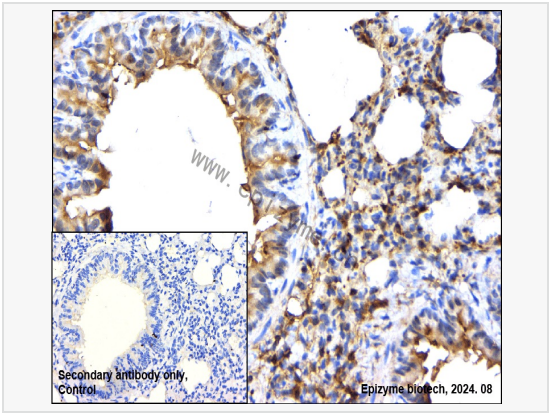
Protein Information

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: 77 kDa; Observed MW: 77 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.

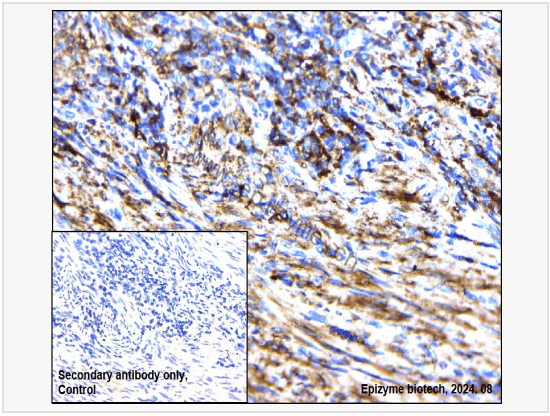
Validation Images



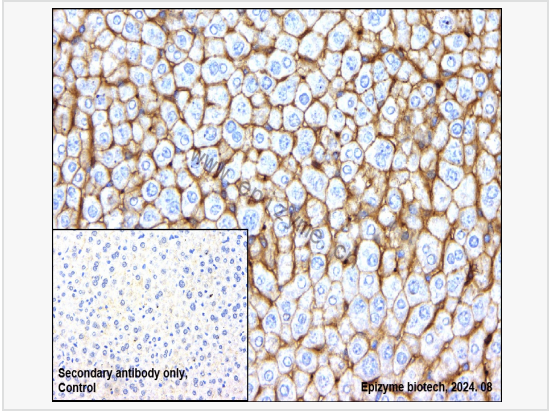
Western Blot - Anti-Phospho-PKC alpha (Thr497) Rabbit mAb [28S72F95]
All lanes: R014124 at 1:1,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates
Lane 3: A431 (Human epidermoid teratoma cell line) whole cell lysates
Lane 4: T24 (Human bladder cancer epithelial cell) whole cell lysates
Lane 5: Mouse heart whole tissue lysates
Lane 6: Mouse muscle 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: 77 kDa
Observed band size: 77 kDa
Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-Phospho-PKC alpha (Thr497) Rabbit mAb [28S72F95]
Sample: Paraformaldehyde-fixed, paraffin embedded rat lung tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R014124 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.



Immunohistochemistry - Anti-Phospho-PKC alpha (Thr497) Rabbit mAb [28S72F95]
Sample: Paraformaldehyde-fixed, paraffin embedded human endometrial carcinoma tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R014124 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.



Immunohistochemistry - Anti-Phospho-PKC alpha (Thr497) Rabbit mAb [28S72F95]
Sample: Paraformaldehyde-fixed, paraffin embedded mouse liver tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R014124 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.