

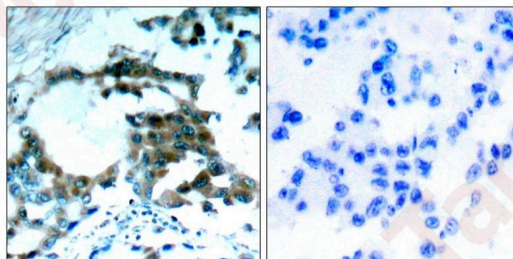
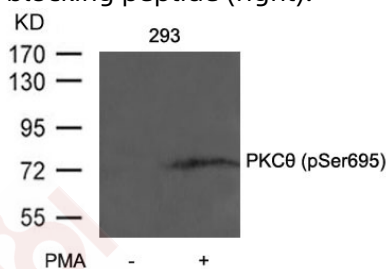
## Anti-Phospho-PRKCQ (Ser695) Polyclonal Antibody

### Product Details

Ig Type:	IgG
Reactivity:	Human
Conjugation:	Unconjugated
Purification:	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.

### Applications

- Verified Activity:
- Western blot analysis of extracts from 293 cells untreated or treated with PMA using PKCth (Phospho-Ser695) Antibody TMAC-03335.
  - Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using PKCth (Phospho-Ser695) Antibody TMAC-03335 (left) or the same antibody preincubated with blocking peptide (right).



Application: IHC,WB

### Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

### Antigen Details

Immunogen:	Peptide sequence around phosphorylation site of serine 695 (N-F-S(p)-F-M) derived from Human PKC $\theta$
Antigen Species:	Human
Uniprot ID:	Q04759
Synonyms:	p-PRKCQ (Ser695);p-PRKCQ (S695);PRKCQ (p-S695);PRKCQ (p-Ser695)

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### Research Background

This is a calcium-independent, phospholipid-dependent, serine- and threonine-specific enzyme. Essential for T-cell receptor (TCR)-mediated T-cell activation, but is dispensable during TCR-dependent thymocyte development. Links the TCR signaling complex to the activation of NF-kappa-B in mature T lymphocytes. Required for interleukin-2 (IL2) production. PKC is activated by diacylglycerol which in turn phosphorylates a range of cellular proteins. PKC also serves as the receptor for phorbol esters, a class of tumor promoters.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481