

## Rabbit PKCtheta Polyclonal Antibody | anti-PKCtheta antibody

PKCtheta (Phospho-Ser676) Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                           |
|-----------|--------|-------------------|--------------------------------------------------------|
| AAA307285 | Rabbit | Human, Mouse, Rat | Immunofluorescence, Immunohistochemistry, Western Blot |

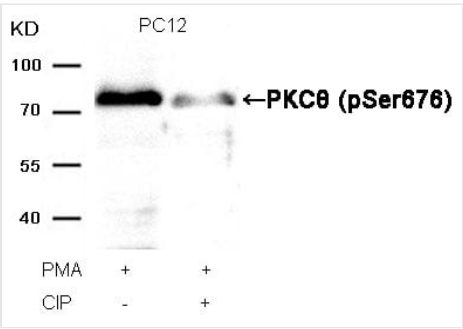
### PRODUCT SYNONYMS

PKCtheta; Polyclonal Antibody; PKCtheta (Phospho-Ser676) Antibody; KPCT; PKC-theta; PKCQ; PRKCQ; PRKCT; anti-PKCtheta antibody

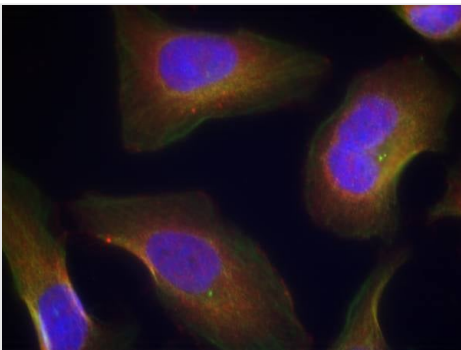
### PRODUCT SPECIFICATIONS

|                                                    |                                                                                                                                                                                                                                                                  |
|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                               | Rabbit                                                                                                                                                                                                                                                           |
| Reactivity                                         | Human, Mouse, Rat                                                                                                                                                                                                                                                |
| Clonality                                          | Polyclonal                                                                                                                                                                                                                                                       |
| Specificity                                        | The antibody detects endogenous level of PKCth only when phosphorylated at serine 676.                                                                                                                                                                           |
| Purity/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 |
| Form/Format                                        | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                                                                                     |
| Concentration                                      | 1.0 mg/ml (varies by lot)                                                                                                                                                                                                                                        |
| Sequence Length                                    | 643                                                                                                                                                                                                                                                              |
| Applicable Applications for anti-PKCtheta antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                                                                           |
| Immunogen Type                                     | Peptide-KLH                                                                                                                                                                                                                                                      |
| Immunogen Description                              | Peptide sequence around phosphorylation site of serine 676 (R-L-S(p)-F-A) derived from Human PKCth.                                                                                                                                                              |
| Modification                                       | Phospho-Ser676                                                                                                                                                                                                                                                   |
| Target Name                                        | PKCth                                                                                                                                                                                                                                                            |
| Preparation and Storage                            | Store at -20 degree C for long term preservation (recommended). Store at 4 degree C for short term use.                                                                                                                                                          |

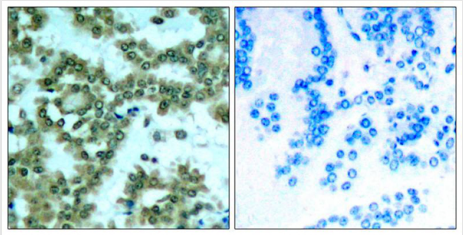
IMAGES



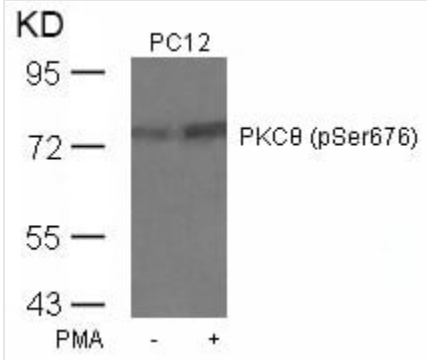
**WB (Western Blot)**  
Western blot analysis of extracts from PC12 cells, treated with PMA or calf intestinal phosphatase (CIP), using PKCθ (Phospho-Ser676) Antibody.



**IF (Immunofluorescence)**  
Immunofluorescence staining of methanol-fixed HeLa cells using PKCθ (Phospho-Ser676) Antibody.



**IHC (Immunohistochemistry)**  
Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using PKCθ (Phospho-Ser676) Antibody (left) or the same antibody preincubated with blocking peptide (right).



**WB (Western Blot)**  
Western blot analysis of extracts from PC12 cells untreated or treated with PMA using PKCθ (Phospho-Ser676) Antibody.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                               |
|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-PKCθ antibody | 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-κB in mature T lymphocytes. Required for interleukin-2 (IL2) production. |
| Product Categories/Family for anti-PKCθ antibody   | Phospho-specific Ab                                                                                                                                                                                                                                                                                                                                           |

NCBI AND UNIPROT INFORMATION

|                                  |                                                        |
|----------------------------------|--------------------------------------------------------|
| NCBI GI #                        | 334848126                                              |
| NCBI GeneID                      | 5588                                                   |
| NCBI Accession #                 | NP_001229342.1                                         |
| NCBI GenBank Nucleotide #        | NM_001242413.2                                         |
| UniProt Accession #              | Q04759; Q14DH6; Q3MJF1; Q64FY5; Q9H508; Q9H549; B4DF52 |
| Molecular Weight                 | 67,560 Da                                              |
| NCBI Official Full Name          | protein kinase C theta type isoform 2                  |
| NCBI Official Synonym Full Names | protein kinase C, theta                                |
| NCBI Official Symbol             | PRKCQ                                                  |
| NCBI Official Synonym Symbols    | PRKCT; nPKC-theta                                      |

|                            |                             |
|----------------------------|-----------------------------|
| NCBI Protein Information   | protein kinase C theta type |
| UniProt Protein Name       | Protein kinase C theta type |
| UniProt Gene Name          | <b>PRKCQ</b>                |
| UniProt Synonym Gene Names | PRKCT                       |
| UniProt Entry Name         | KPCT_HUMAN                  |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pkctheta-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/307285>