

PKC theta Antibody | anti-PKC theta antibody

PKC theta (Phospho-Ser676) Antibody

CATALOG # AAA111782	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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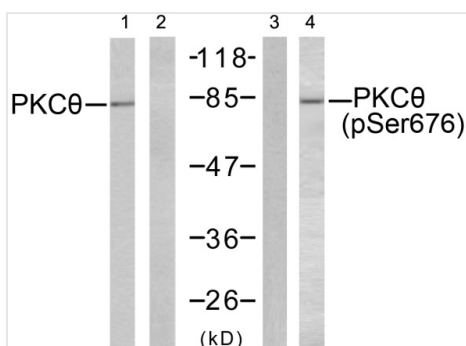
PRODUCT SYNONYMS

PKC theta; PKC theta (Phospho-Ser676) Antibody; PRKCQ; Protein kinase C theta type; anti-PKC theta antibody

PRODUCT SPECIFICATIONS

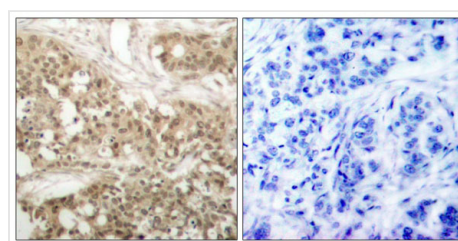
Reactivity	Human, Mouse, Rat
Specificity	PKC theta (phospho-Ser676) antibody detects endogenous levels of PKC theta only when phosphorylated at serine 676.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Form/Format	In phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	643
Applicable Applications for anti-PKC theta antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human PKC theta around the phosphorylation site of serine 676 (R-L-SP-F-A).
All Sites	Human: Ser676 Mouse: Ser676 Rat: Ser676
Preparation and Storage	Store at -20 degree C for 1 year

IMAGES



WB (Western Blot)

Western blot analysis of extracts from JK cells untreated or treated with PMA (200nM, 30mins), using PKC theta (Ab-676) antibody (Line 1 and 2) and PKC theta (phospho-Ser676) antibody (Line 3 and 4).



IHC (Immunohistochemistry)

P-Peptide-+ Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using PKC theta (phospho-Ser676) antibody.

ADDITIONAL INFORMATION

Product Categories/Family for anti-PKC theta antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
References	Kristof Van Kolen, et, al. (2006) FEBS J; 273: 1843-1854. Martin Villalba, et, al. (2002) J. Cell Biol; 157: 253. Jie Zhang, et, al. (2004) J. Biol. Chem; 279: 22118-22123. A. F. Castro, et, al. (1998) Am J Physiol Cell Physiol; 275: C113-C119.

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	PRKCQ
UniProt Synonym Gene Names	PRKCT

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.