

Rabbit PKCbeta Polyclonal Antibody | anti-PKCbeta antibody

PKCbeta (Phospho-Thr641) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA304355	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

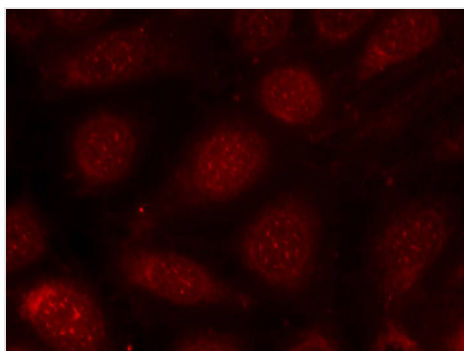
PRODUCT SYNONYMS

PKCbeta; Polyclonal Antibody; PKCbeta (Phospho-Thr641) Antibody; PKCb (Phospho-Thr641) Antibody; PKCB; PRKCB1; PRKCB2; anti-PKCbeta antibody

PRODUCT SPECIFICATIONS

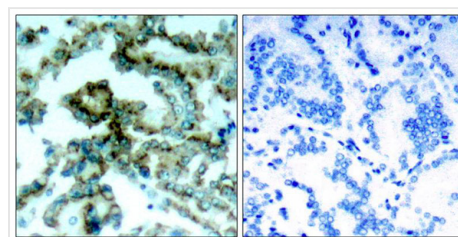
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of PKCb only when phosphorylated at threonine 641.
Purity/Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Form/Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	673
Applicable Applications for anti-PKCbeta antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of threonine 641 (E-L-T(p)-P-T) derived from Human PKCb
Modification	Phospho-Thr641
Target Name	PKCb
Preparation and Storage	Store at -20 degree C for long term preservation (recommended). Store at 4 degree C for short term use.

IMAGES



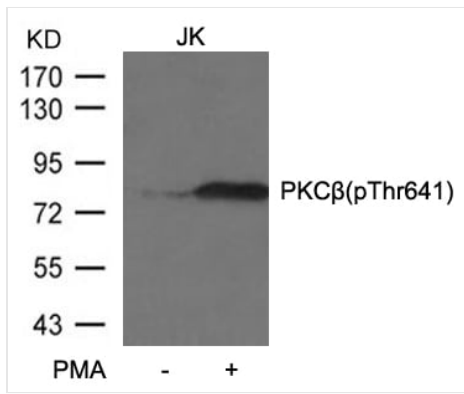
IF (Immunofluorescence)

Immunofluorescence staining of methanol-fixed MCF7 cells using PKCb(phospho-Thr641) antibody(, Red).



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue, using PKCb(phospho-Thr641) antibody().



WB (Western Blot)
Western blot analysis of extracts from JK cells untreated or treated with PMA using PKCbeta (phospho-Thr641) antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-PKCbeta antibody	Calcium-activated and phospholipid-dependent serine/threonine-protein kinase involved in various processes such as regulation of the B-cell receptor (BCR) signalosome, apoptosis and transcription regulation. Plays a key role in B-cell activation and function by regulating BCR-induced NF-kappa-B activation and B-cell survival. Required for recruitment and activation of the IKK kinase to lipid rafts and mediates phosphorylation of CARD11/CARMA1 at 'Ser-559', 'Ser-644' and 'Ser-652', leading to activate the NF-kappa-B signaling. Involved in apoptosis following oxidative damage: in case of oxidative conditions, specifically phosphorylates 'Ser-36' of isoform p66Shc of SHC1, leading to mitochondrial accumulation of p66Shc, where p66Shc acts as a reactive oxygen species producer. Acts as a coactivator of androgen receptor (ANDR)-dependent transcription, by being recruited to ANDR target genes and specifically mediating phosphorylation of 'Thr-6' of histone H3 (H3T6ph), a specific tag for epigenetic transcriptional activation that prevents demethylation of histone H3 'Lys-4' (H3K4me) by LSD1/KDM1A. Also involved in triglyceride homeostasis. Serves as the receptor for phorbol esters, a class of tumor promoters.
Product Categories/Family for anti-PKCbeta antibody	Phospho-specific Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	20127450
NCBI GeneID	5579
NCBI Accession #	NP_002729.2
NCBI GenBank Nucleotide #	NM_002738.6
UniProt Accession #	P05771; O43744; P05127; Q15138; Q93060; Q9UE49; Q9UE50; Q9UEH8; Q9UJ30; Q9UJ33; C5IFJ8; D3DWF5
Molecular Weight	77,012 Da
NCBI Official Full Name	protein kinase C beta type isoform 2
NCBI Official Synonym Full Names	protein kinase C, beta
NCBI Official Symbol	PRKCB
NCBI Official Synonym Symbols	PKCB; PRKCB1; PRKCB2; PKC-beta
NCBI Protein Information	protein kinase C beta type
UniProt Protein Name	Protein kinase C beta type
UniProt Gene Name	PRKCB
UniProt Synonym Gene Names	PKCB; PRKCB1; PKC-B; PKC-beta
UniProt Entry Name	KPCB_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/pkcbeta-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/304355>