

PKD1/2/3/PKC Antibody | anti-PKD1/2/3/PKC antibody

PKD1/2/3/PKC mu (Phospho-Ser738+Ser742) Antibody

CATALOG # AAA111841	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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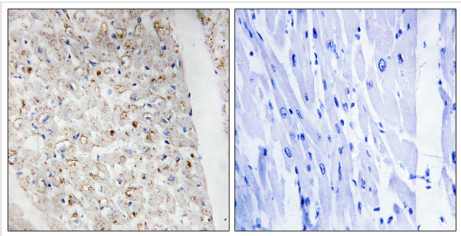
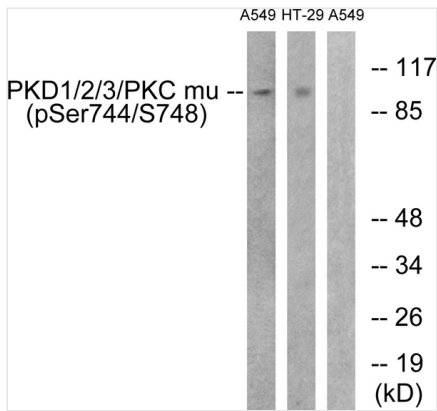
PRODUCT SYNONYMS

PKD1/2/3/PKC; PKD1/2/3/PKC mu (Phospho-Ser738+Ser742) Antibody; EC 2.7.11.13; KPCD1; PKC-mu; PKCM; PKD; PRKCM; PRKD1; Protein kinase C; mu type; Protein kinase D; kinase PKD1; nPKC-mu; anti-PKD1/2/3/PKC antibody

PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Specificity	PKD1/2/3/PKC mu (Phospho-Ser738+Ser742) antibody detects endogenous levels of PKD1/2/3/PKC mu only when phosphorylated at serine 738and serine 742.
Purity/Purification	Affinity-purified fromrabbit 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 Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	912
Applicable Applications for anti-PKD1/2/3/PKC antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human PKD1/2/3/PKC mu around the phosphorylation site of serine 738and serine 742 (E-K-SP-F-R-R-SP-V-V).
All Sites	Human: Ser738+Ser742 Mouse: Ser744+Ser748 Rat: Ser475+Ser479
Preparation and Storage	Store at-20 degree C for 1 year.

IMAGES



Application Data
P-peptide-+

IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded human heart tissue using PKD1/2/3/PKC mu (Phospho-Ser738+Ser742) antibody. Western blot analysis of extracts from A549 cells treated with PMA (125ng/ml, 30mins), and HT-29 cells treated with serum (20%, 15mins), using PKD1/2/3/PKC mu (Phospho-Ser738+Ser742) antibody.

ADDITIONAL INFORMATION

Product Categories/Family for anti-PKD1/2/3/PKC antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
References	Johannes F.-J., J. Biol. Chem. 269:6140-6148(1994). Zemlickova E., Biochem. Biophys. Res. Commun. 307:459-465(2003). Storz P., J. Biol. Chem. 278:17969-17976(2003).

NCBI AND UNIPROT INFORMATION

NCBI GI #	115529463
NCBI GeneID	5587
NCBI Accession #	NP_002733.2
NCBI GenBank Nucleotide #	NM_002742.2
UniProt Accession #	Q15139; A6NL64; B2RAF6
Molecular Weight	101,704 Da
NCBI Official Full Name	serine/threonine-protein kinase D1 isoform 2
NCBI Official Synonym Full Names	protein kinase D1
NCBI Official Symbol	PRKD1
NCBI Official Synonym Symbols	PKD; PKCM; CHDED; PRKCM; PKC-MU
NCBI Protein Information	serine/threonine-protein kinase D1
UniProt Protein Name	Serine/threonine-protein kinase D1
UniProt Gene Name	PRKD1
UniProt Synonym Gene Names	PKD; PKD1; PRKCM

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.