Phospho-PRKD1/PRKD2/PRKD3 (Ser738/742) Antibody

PACO23993

Product Information

Size:

100ul

Reactivity:

Human, Mouse, Rat

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, WB

Recommended dilutions:

ELISA:1:2000-1:10000, WB:1:500-1:1000

Protein Background:

Serine/threonine-protein kinase that converts transient diacylglycerol (DAG) signals into prolonged physiological effects downstream of PKC, and is involved in the regulation of MAPK8/JNK1 and Ras signaling, Golgi membrane integrity and trafficking, cell survival through NF-kappa-B activation, cell migration, cell differentiation by mediating HDAC7 nuclear export, cell proliferation via MAPK1/3 (ERK1/2) signaling, and plays a role in cardiac hypertrophy, VEGFA-induced angiogenesis, genotoxic-induced apoptosis and flagellin-stimulated inflammatory response. Phosphorylates the epidermal growth factor receptor (EGFR) on dual threonine residues, which leads to the suppression of epidermal growth factor (EGF)-induced MAPK8/JNK1 activation and subsequent JUN phosphorylation.

Gene ID:

PRKD1/PRKD2/PRKD3

Uniprot

Q15139/Q9BZL6/O94806

Synonyms:

PKD, PKCM, PRKCM, PKC-MU

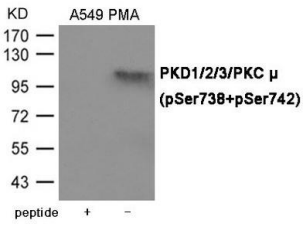
Immunogen:

Peptide sequence around phosphorylation site of Serine738/Serine 742(E-K-S(p)-F-R-R-S(p)-V-V) derived from Human PKD1/2/3/PKCµ .

Storage:

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.

Product Images



Western blot analysis of extracts from A549 cells with PMA using PKD1/2/3/PKC μ (Phospho-Ser738+Ser742) Antibody. The lane on the left is treated with the antigen-specific peptide.