PKD/PKCμ (Phospho-Ser738) Polyclonal Antibody

ORDERING INFORMATION

Catalog No.: 43078

Format: 100ul at 1.0mg/ml in PBS (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Affinity-purified on phosphopeptide; non-phosphopeptide-reactive antibodies were removed by chromatography on non-phosphorylated peptide.

BACKGROUND

Protein kinase C (PKC), a family of lipid-activated serine kinases, is involved in multiple functions in the regulation of growth control. The PKC-related isoform PKC mu/PKD has been implicated in mitogenic signal cascades because of the activation of p42/p44 MAPK leading to Elk1-mediated gene transcription, and PKC mu/PKD has been shown to be activated via a PKC-dependent pathway.

SPECIFICATION SUMMARY

Antigen: Peptide sequence that includes phosphorylation site of serine 738 (E-K-S(p)-F-R) derived from human PKD/PCKμ and conjugated to KLH.

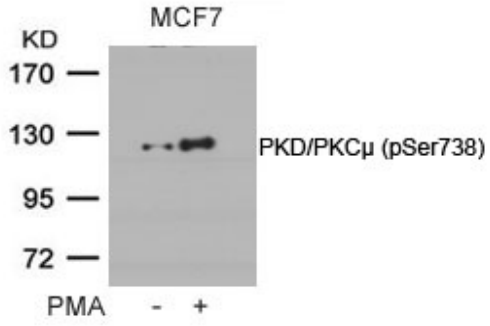
Host Species: Rabbit

Specificity: This antibody detects endogenous human, mouse, and rat PKD/PKCμ only when phosphorylated at serine 738.

Accession no.: Q15139, NP_002733.2

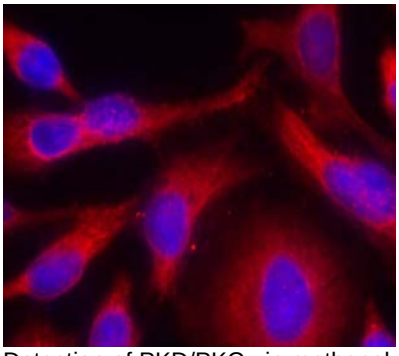
APPLICATIONS

Immunoblotting: use at dilution of 1:500-1:1,000. A band of ~115kDa is detected.



Detection of PKD/PKCμ in extracts of MCF cells untreated or treated with PMA

Immunofluorescence: use at dilution of 1:100-1:200.



Detection of PKD/PKCμ in methanol-fixed HeLa cells.

These are recommended working dilutions. Endusers should determine optimal dilutions for their applications.

DILUTION INSTRUCTIONS

Dilute in PBS or medium that is identical to that used in the assay system.

STORAGE AND STABILITY

This antibody is stable for at least one (1) year at -20°C. Can be stored at 4°C for short-term.

For in vitro investigational use only. Not intended for therapeutic or diagnostic applications.

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