PKD/PKCμ (Phospho-Ser738) Antibody

#11078

Catalog Number: 11078-1, 11078-2

Amount: 50μg/50μl, 100μg/100μl

Swiss-Prot No. :Q15139

Form of Antibody: Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl,0.02% sodium azide and 50% glycerol.

Storage/Stability: Store at -20℃/1 year

Immunogen: The antiserum was produced against synthesized phosphopeptide derived from human PKD/PKCμ around the phosphorylation site of serine 738 (E-K-Sp-F-R).

Purification: The antibody was 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.

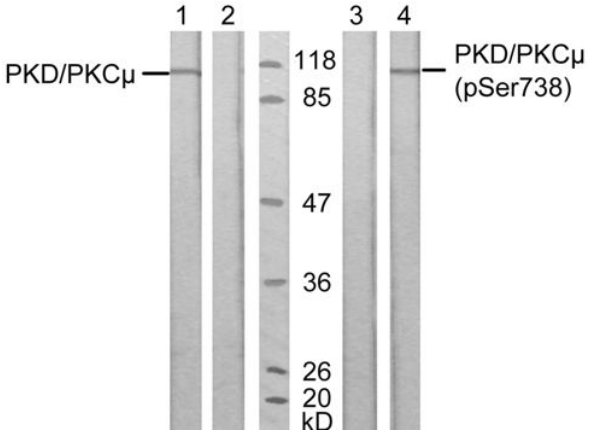
Specificity/Sensitivity: PKD/PKCμ (phospho-Ser738) antibody detects endogenous levels of PKD/PKCμ only when phosphorylated at serine 738.

Reactivity: Human,Mouse,Rat

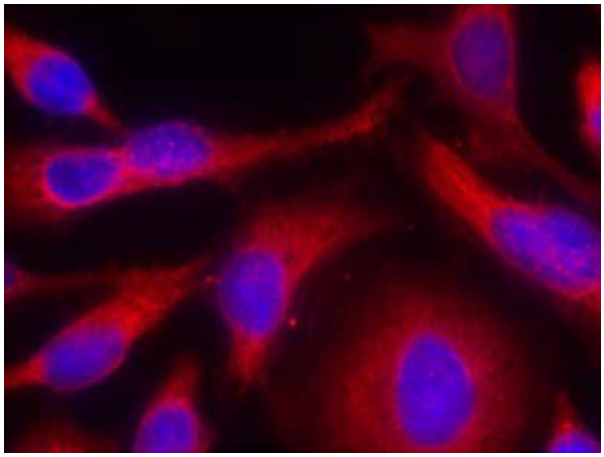
Applications:

Predicted MW: 115 kd

WB: 1:500~1:1000 IF:1:100~1:200



Western blot analysis of extract from A431 cells, untreated or treated with EGF (200ng/ml, 10min), using PKD/PKCμ (Ab-738) antibody (#21126, Lane 1 and 2) and PKD/PKCμ(phospho-Ser738) antibody (#11078, Lane 3 and 4).



Immunofluorescence staining of methanol-fixed HeLa cells using

PKD/PKCμ (phospho-Ser738) antibody (#11078, Red).

Background :

Converts transient diacylglycerol. (DAG) signals into prolonged physiological effects, downstream of PKC. Involved in resistance to oxidative stress through activation of NF-kappa-B.

References：

Storz P, et al. Mol Cell Biol. 2004 Apr; 24(7): 2614-2626.

Storz P, et al. Mol Cell Biol. 2005 Oct; 25(19): 8520-8530.

Zhang W, et al. J Biol Chem 2005 May 13; 280(19): 19036-19044