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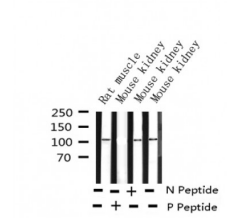
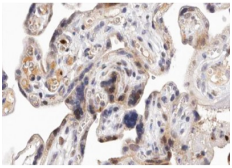
Phospho-PKD1/2/3/PKC μ (Ser738+Ser742) Ab

Cat.#: AF3444	Concn.: 1mg/ml	Mol.Wt.: 101kDa
Size: 100ul,200ul	Source: Rabbit	Clonality: Polyclonal

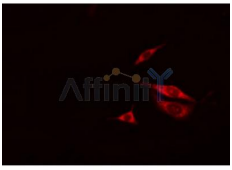
Application:	WB 1:500-1:2000 IHC 1:50-1:200, IF/ICC 1:100-1:500
Reactivity:	Human,Mouse,Rat
Purification:	The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Specificity:	Phospho-PKD1/2/3/PKC μ (Ser738+Ser742) Ab detects endogenous levels of PKD1/2/3/PKC μ only when phosphorylated at Serine 738+Serine 742.
Immunogen:	A synthesized peptide derived from human PKD1/2/3/PKC μ around the phosphorylation site of Serine 738+Serine 742.
Uniprot:	Q15139/Q9BZL6/O94806
Description:	PKD3 a CAMK kinase of the PKD family. An important component of signaling pathways downstream from novel PKC enzymes after B-cell receptor engagement.
Subcellular Location:	Cytoplasm. Membrane. Translocation to the cell membrane is required for kinase activation.
Tissue Specificity:	Up-regulated by the intestine-specific transcription factor CDX1 in an activated KRAS-dependent manner in colorectal cancer (CRC) cells (PubMed:24623306).
Similarity:	Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. PKD subfamily.
Storage Condition and Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt.



Western blot analysis of Phospho-PKD1/2/3/PKC μ (Ser738+Ser742) expression in various lysates



AF3444 at 1/100 staining human Placenta tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.



AF3444 staining A549 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. The primary Ab was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab(Red), diluted at 1/600, was used as secondary Ab.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.