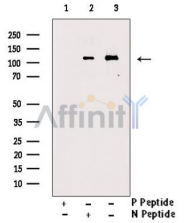
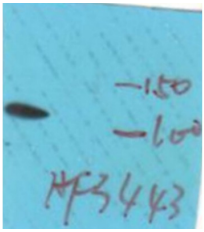
Phospho-PKD1/PKC μ (Tyr463) Ab

Cat.#: AF3443	Concn.: 1mg/ml	Mol.Wt.: 130kDa
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/PKC μ (Tyr463) Ab detects endogenous levels of PKD1/PKC μ only when phosphorylated at Tyrosine 463.
Immunogen:	A synthesized peptide derived from human PKD1/PKC μ around the phosphorylation site of Tyrosine 463.
Uniprot:	Q15139
Description:	Members of the protein kinase C (PKC) family function in many extracellular receptor-mediated signal transduction pathways. See PRKCA (MIM 176960) for further background information.
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 extracts from HepG2, using Phospho-PKD1/PKC μ (Tyr463) Ab. Lane1 was treated with phospho-blocking peptide, Lane2 was treated with non-phospho-blocking peptide.



Western blot analysis of PKD1/PKC μ phosphorylation expression in HepG2 whole cell lysates,The lane on the left was treated with the antigen-specific peptide.

AF3112 at 1/200 staining CRC tissue sections by IHC-P.

AF3443 staining A431 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.

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