Datasheet for ABIN1531511

anti-PKC mu antibody (pSer205)

2 Images

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Overview

Quantity:	100 µL
Target:	PKC mu (PRKD1)
Binding Specificity:	AA 171-220, pSer205
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PKC mu antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	The antiserum was produced against synthesized peptide derived from human PKD1/PKC mu around the phosphorylation site of Ser205.
Isotype:	IgG
Specificity:	PKD1/PKC mu (Phospho-Ser205) Antibody detects endogenous levels of PKD1/PKC mu only when phosphorylated at Ser205. PhosphorylationH:S205 M:S203 R:S203
Purification:	The antibody was purified from rabbit antiserum by affinity-chromatography using phospho peptide. The antibody against non-phospho peptide was removed by chromatography using corresponding non-phospho peptide.
Purity:	> 95 %

Target Details

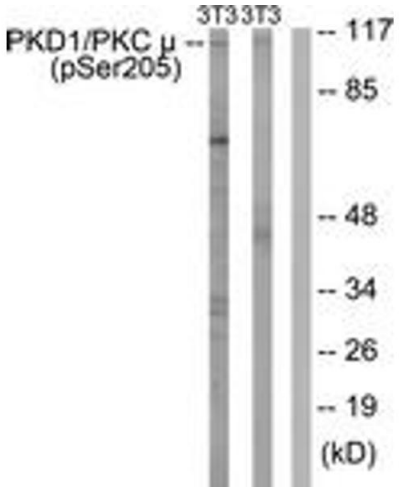
Target:	PKC mu (PRKD1)
Alternative Name:	PKD1/PKC mu (PRKD1 Products)
Background:	Synonyms: KPCD1, PKC-mu, PKCM, PKD, PRKCM, PRKD1, Protein kinase C, mu type, Protein kinase D, kinase PKD1, nPKC-mu NCBI Gene Symbol: KPCD1
Molecular Weight:	101 kDa
Gene ID:	5587
OMIM:	605435
UniProt:	Q15139
Pathways:	Myometrial Relaxation and Contraction

Application Details

Application Notes:	WB: 1:500~1:1000 IHC: 1:50~1:100 ELISA: 1:40000
Comment:	Unigene-Number: Hs.508999 (NCBI Gene Symbol: KPCD1)
Restrictions:	For Research Use only

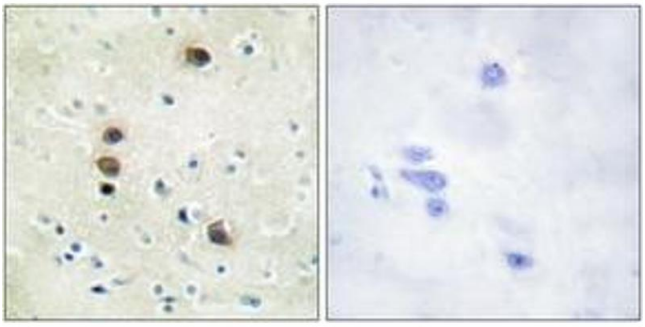
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Stable at -20°C for at least 1 year.
Expiry Date:	12 months



Western Blotting

Image 1. Western blot analysis of extracts from NIH-3T3 cells treated with Anisomycin 25ug/ml 30', using PKD1/PKC mu (Phospho-Ser205) Antibody. The lane on the right is treated with the synthesized peptide.



Immunohistochemistry

Image 2. Immunohistochemistry analysis of paraffin-embedded human brain, using PKD1/PKC mu (Phospho-Ser205) Antibody. The picture on the right is treated with the synthesized peptide.