

PKC α / β II (Phospho Thr638/641) Rabbit pAb

CatalogNo: YP1441

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB, IHC

MW

- 76kD (Observed)

Isotype

- IgG

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-2000

IHC 1:50-300

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized phospho peptide around human PKC α (Thr638 and 641)

Specificity This antibody detects endogenous levels of PKC α / β II only when phosphorylated at Thr638/641. This antibody does not recognize phosphorylated at other sites.

Target Information

Protein Name PKC α / β II (Thr638/641)

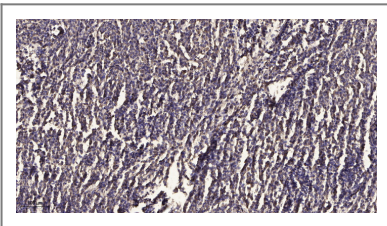
Organism	Gene ID	UniProt ID
Human	5578 ;	P17252 ;
Mouse	18750 ;	P20444 ;
Rat		P05696 ;

Cellular Localization Cytoplasm . Cell membrane ; Peripheral membrane protein . Mitochondrion membrane ; Peripheral membrane protein . Nucleus .

Tissue specificity Blood ,Brain ,Epithelium ,Lung ,Platelet ,

Function Catalytic activity:ATP + a protein = ADP + a phosphoprotein. ,cofactor:Binds 3 calcium ions per subunit. The ions are bound to the C2 domain. ,Function:PKC is activated by diacylglycerol which in turn phosphorylates a range of cellular proteins. PKC also serves as the receptor for phorbol esters , a class of tumor promoters. ,Function:This is a calcium-activated , phospholipid-dependent , serine- and threonine-specific enzyme. May play a role in cell motility by phosphorylating CSPG4. ,similarity:Belongs to the protein kinase superfamily. ,similarity:Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family. PKC subfamily. ,similarity:Contains 1 AGC-kinase C-terminal domain. ,similarity:Contains 1 C2 domain. ,similarity:Contains 1 protein kinase domain. ,similarity:Contains 2 phorbol-ester/DAG-type zinc fingers. ,subunit:Interacts with ADAP1/CENTA1 , CSPG4 and PRKCABP. Binds to SDPR in the presence of phosphatidylserine. ,

Validation Data



Immunohistochemical analysis of paraffin-embedded human meningioma. 1, Antibody was diluted at 1:200 (4°C overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200 (room temperature, 45min).

Contact information

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