

## Product Datasheet

### Anti-PKC ε Rabbit pAb



For Research Use Only. Not For Use In Diagnostic Procedures

#### Product Information

<b>Product name</b>	Anti-PKC ε Rabbit pAb	
<b>Source</b>	Rabbit	
<b>Species reactivity</b>	Human, Mouse, Rat	
<b>Tested applications</b>	WB	1:1000-1:2000
	IHC	1:500
	IF	1:500
<b>Cellular localization</b>	Cytoplasm. Cytoplasm, Cytoskeleton. Cell membrane. Nucleus	
<b>Pack size</b>	50/100/200/500/1000μl	
<b>Storage</b>	Store at -20°C. <b>Avoid freeze/thaw cycles.</b>	
<b>Storage buffer</b>	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide	

#### General Information

<b>Background</b>	Protein kinase C (PKC) is a family of serine- and threonine-specific protein kinases that can be activated by calcium and the second messenger diacylglycerol. PKC isoforms belong to three groups based on calcium dependency and activators. Classical PKCs are calcium-dependent via their C2 domains and are activated by phosphatidylserine (PS), diacylglycerol (DAG), and phorbol esters (TPA, PMA) through their cysteine-rich C1 domains. Each member of the PKC family has a specific expression profile and is believed to play a distinct role in cells. PKC ε is one of the PKC family members. This kinase has been shown to be involved in many different cellular functions, such as neuron channel activation, apoptosis, cardioprotection from ischemia, heat shock response, as well as insulin exocytosis.
<b>Immunogen</b>	Polyclonal antibody is produced by immunizing animals with a synthetic peptide of PKC ε.
<b>Purification</b>	Polyclonal antibody was purified by protein A affinity chromatography.

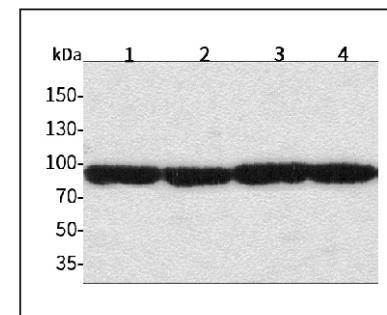
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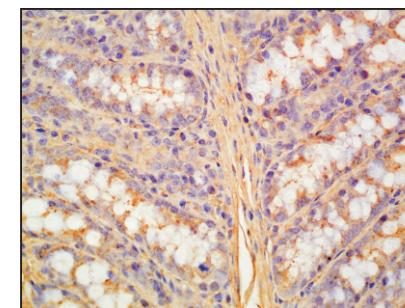
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#### Product Images



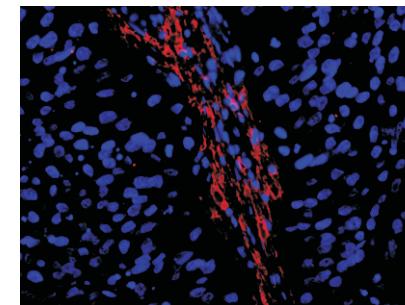
##### Western blot-Anti-PKC ε pAb

Lane 1: Human HepG2 cell lysate  
 Lane 2: Human Hela cell lysate  
 Lane 3: Human BGC-823 cell lysate  
 Lane 4: Human MGC-803 cell lysate  
 All lanes: Anti-PKC ε at 1:1000 dilution  
 Lysates/proteins at 20-50 μg per lane.  
 Predicted band size: 84 kDa  
 Observed band size: 90 kDa



##### Immunohistochemistry-Anti-PKC ε pAb

Immunohistochemical analysis of paraffin-embedded mouse colon using anti-PKC ε Rabbit Antibody at 1:500 dilution.  
 Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



##### Immunofluorescence-Anti-PKC ε pAb

Immunofluorescence analysis of paraffin-embedded human bladder cancer using anti-PKC ε Rabbit Antibody at 1:500 dilution.  
 Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0

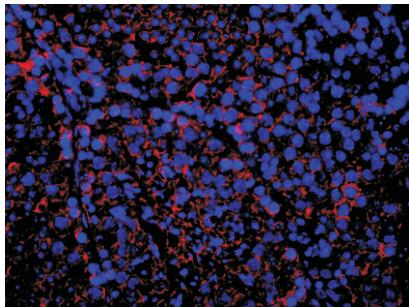
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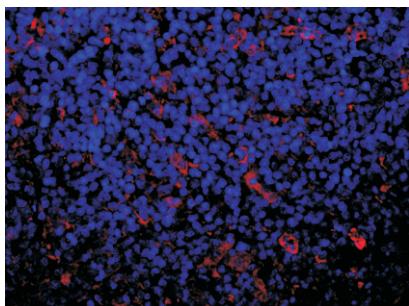
### Product Information



#### Immunofluorescence-Anti-PKC ε pAb

Immunofluorescence analysis of paraffin-embedded mouse testicle using anti-PKC ε Rabbit Antibody at 1:500 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0.



#### Immunofluorescence-Anti-PKC ε pAb

Immunofluorescence analysis of paraffin-embedded rat spleen using anti-PKC ε Rabbit Antibody at 1:500 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0.