

For Research Use Only

PKC Zeta Polyclonal antibody

Catalog Number: 26899-1-AP

6 Publications



Basic Information

Catalog Number: 26899-1-AP	GenBank Accession Number: BC014270	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 600 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 5590	Recommended Dilutions: WB 1:1000-1:4000
Source: Rabbit	UNIPROT ID: Q05513	IHC 1:50-1:500
Isotype: IgG	Full Name: protein kinase C, zeta	IF/ICC 1:200-1:800
Immunogen Catalog Number: AG25391	Calculated MW: 80 kDa	
	Observed MW: 67 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls: WB : HEK-293T cells, HT-29 cells
Cited Applications: WB, IF	IHC : human ovary cancer tissue,
Species Specificity: human, mouse	IF/ICC : HeLa cells, NIH/3T3 cells
Cited Species: human, mouse	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

Protein kinase C (PKC) zeta is a member of the PKC family of serine/threonine kinases which are involved in a variety of cellular processes such as proliferation, differentiation and secretion. Unlike the classical PKC isoenzymes which are calcium-dependent, PKC zeta exhibits a kinase activity which is independent of calcium and diacylglycerol but not of phosphatidylserine. Furthermore, it is insensitive to typical PKC inhibitors and cannot be activated by phorbol ester. Unlike the classical PKC isoenzymes, it has only a single zinc finger module. These structural and biochemical properties indicate that the zeta subspecies is related to, but distinct from other isoenzymes of PKC.

Notable Publications

Author	Pubmed ID	Journal	Application
Qianxia Yin	33951300	J Cell Mol Med	WB
Hongyi Zhou	31185001	JCI Insight	WB
Zhong-Wen Chang	35122947	Fish Shellfish Immunol	WB

Storage

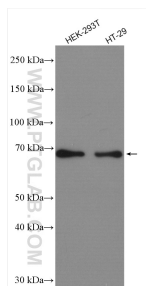
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

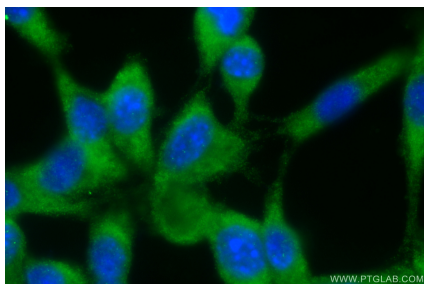
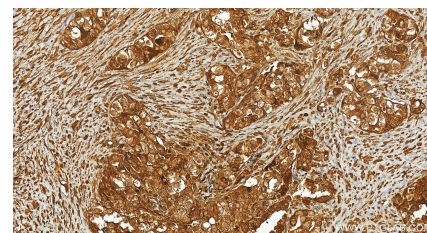
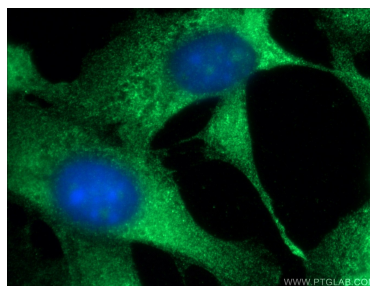
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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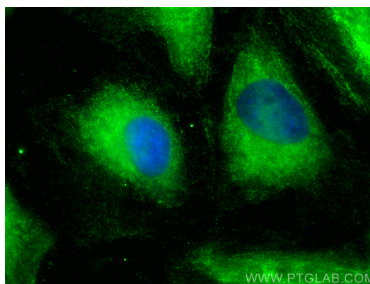
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 26899-1-AP (PKC zeta antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed NIH/3T3 cells using PKC Zeta antibody (26899-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using PKC Zeta antibody (26899-1-AP) at dilution of 1:400 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).