

## PKC Zeta (Phospho Thr410) Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP13105
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human PKC zeta around the phosphorylation site of Thr410. AA range:376-425
<b>Mol wt</b>	67660
<b>Species reactivity</b>	Human, Mouse, Rat
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, IHC-p, IF, ICC, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	Protein kinase C zeta type
<b>Synonyms</b>	Protein kinase C zeta type; PRKCZ; PKC2; Protein kinase C zeta type; nPKC-zeta

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### Background

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. Alternative splicing results in multiple transcript variants encoding different isoforms.

### Recommended Dilution

WB: 1: 500 - 1: 2000

IHC-p: 1: 100 - 1: 300

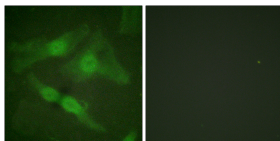
IF: 1: 200 - 1: 1000

ICC: 1: 200 - 1: 1000

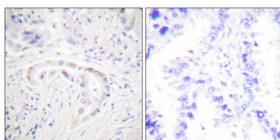
ELISA: 1: 20000

Not yet tested in other applications.

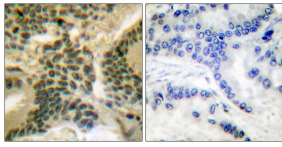
### Images



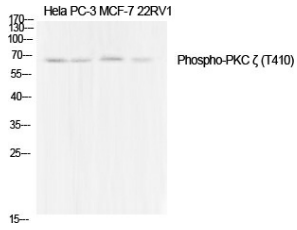
Immunofluorescence analysis of HeLa cells, using PKC zeta (Phospho-Thr410) Antibody. The picture on the right is blocked with the phospho peptide.



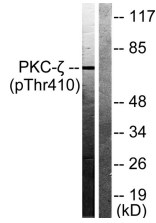
Immunohistochemical analysis of paraffin-embedded Human lung cancer. Antibody was diluted at 1:100(4°C overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtained from antibody was pre-absorbed by immunogen peptide.



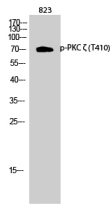
Immunohistochemistry analysis of paraffin-embedded human lung carcinoma, using PKC zeta (Phospho-Thr410) Antibody. The picture on the right is blocked with the phospho peptide.



Western Blot analysis of various cells using Phospho-PKC  $\zeta$  (T410) Polyclonal Antibody diluted at 1:1000



Western Blot analysis of 823 cells using Phospho-PKC  $\zeta$  (T410) Polyclonal Antibody diluted at 1:1000



Western blot analysis of lysates from NIH/3T3 cells treated with PMA 125ng/ml 30', using PKC zeta (Phospho-Thr410) Antibody. The lane on the right is blocked with the phospho peptide.

### Storage

-20°C for 1 year

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