

## PRKCZ Polyclonal Antibody

catalog number: E-AB-66234

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Description

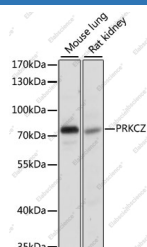
|                     |                                                                                    |
|---------------------|------------------------------------------------------------------------------------|
| <b>Reactivity</b>   | Human;Mouse;Rat                                                                    |
| <b>Immunogen</b>    | Recombinant fusion protein of human PRKCZ (NP_002735.3).                           |
| <b>Host</b>         | Rabbit                                                                             |
| <b>Isotype</b>      | Rabbit IgG                                                                         |
| <b>Purification</b> | Affinity purification                                                              |
| <b>Buffer</b>       | Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol. |

### Applications

### Recommended Dilution

|           |              |
|-----------|--------------|
| <b>WB</b> | 1:500-1:2000 |
|-----------|--------------|

### Data



Western blot analysis of extracts of various cell lines using PRKCZ Polyclonal Antibody at dilution of 1:1000.

**Observed-MW:78 kDa**

**Calculated-MW:46 kDa/56 kDa/67 kDa**

### Preparation & Storage

|                 |                                                                                                        |
|-----------------|--------------------------------------------------------------------------------------------------------|
| <b>Storage</b>  | Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.                                        |
| <b>Shipping</b> | The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended. |

### 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.

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