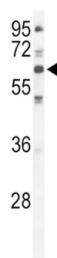
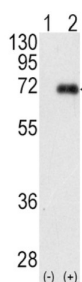
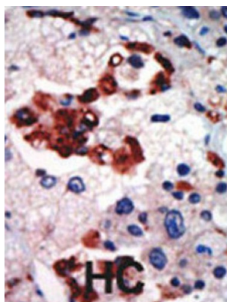


## Protein Kinase C Iota Type (PRKCI) Antibody

Catalogue No.: abx033120



PKC iota belongs to the protein kinase C (PKC) family of serine/threonine protein kinases. The PKC family comprises at least eight members, which are differentially expressed and are involved in a wide variety of cellular processes. This protein kinase is calcium-independent and phospholipid-dependent. It is not activated by phorbol esters or diacylglycerol. This kinase can be recruited to vesicle tubular clusters (VTCs) by direct interaction with the small GTPase RAB2, where this kinase phosphorylates glyceraldehydes-3-phosphate dehydrogenase (GAPD/GAPDH) and plays a role in microtubule dynamics in the early secretory pathway. This kinase is found to be necessary for BCL-ABL-mediated resistance to drug-induced apoptosis and therefore protects leukemia cells against drug-induced apoptosis.

**Target:** Protein Kinase C Iota Type (PRKCI)

**Clonality:** Polyclonal

**Reactivity:** Human

**Tested Applications:** ELISA, WB, IHC

# Datasheet

Version: 2.0.0  
Revision date: 18 Oct 2025



|                               |                                                                                                                                            |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Host:</b>                  | Rabbit                                                                                                                                     |
| <b>Recommended dilutions:</b> | WB: 1/1000, IHC-P: 1/50 - 1/100. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user.               |
| <b>Conjugation:</b>           | Unconjugated                                                                                                                               |
| <b>Immunogen:</b>             | KLH-conjugated synthetic peptide between 176-207 amino acids from the N-terminal region of human PKC iota.                                 |
| <b>Isotype:</b>               | IgG                                                                                                                                        |
| <b>Form:</b>                  | Liquid                                                                                                                                     |
| <b>Purification:</b>          | Purified through a protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.    |
| <b>Storage:</b>               | Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.                                                                             |
| <b>UniProt Primary AC:</b>    | P41743 ( <a href="#">UniProt</a> , <a href="#">ExPASy</a> )                                                                                |
| <b>NCBI Accession:</b>        | NP_002731.4                                                                                                                                |
| <b>KEGG:</b>                  | hsa:5584                                                                                                                                   |
| <b>String:</b>                | <a href="#">9606.ENSP00000295797</a>                                                                                                       |
| <b>Molecular Weight:</b>      | Calculated MW: 68.3 kDa                                                                                                                    |
| <b>Buffer:</b>                | PBS containing 0.09% sodium azide.                                                                                                         |
| <b>Note:</b>                  | THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION. |