

### Product Information

**Size:**

50ul

**Reactivity:**

Human, Mouse, Rat

**Source:**

Rabbit

**Isotype:**

IgG

**Applications:**

ELISA, WB, IHC

**Recommended dilutions:**

ELISA:1:2000-1:5000, WB:1:500-1:2000,  
IHC:1:25-1:100

**Protein Background:**

Involved in autophagic vesicle formation. Conjugation with ATG12, through a ubiquitin-like conjugating system involving ATG7 as an E1-like activating enzyme and ATG10 as an E2-like conjugating enzyme, is essential for its function. The ATG12-ATG5 conjugate acts as an E3-like enzyme which is required for lipidation of ATG8 family proteins and their association to the vesicle membranes. Involved in mitochondrial quality control after oxidative damage, and in subsequent cellular longevity. The ATG12-ATG5 conjugate also negatively regulates the innate antiviral immune response by blocking the type I IFN production pathway through direct association with RARRES3 and MAVS. Also plays a role in translation or delivery of incoming viral RNA to the translation apparatus. Plays a critical role in multiple aspects of lymphocyte development and is essential for both B and T lymphocyte survival and proliferation. Required for optimal processing and presentation of antigens for MHC II.

**Gene ID:**

PRKCA

**Uniprot**

P17252

**Synonyms:**

protein kinase C, alpha

**Immunogen:**

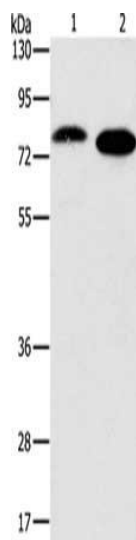
Synthetic peptide of human PRKCA.

**Storage:**

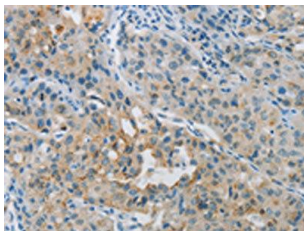
-20&deg; C, pH7.4 PBS, 0.05% NaN3, 40% Glycerol

## Product Images

---



Gel: 10%SDS-PAGE, Lysate: 40  $\mu$ g, Lane 1-2: Jurkat cells, NIH/3T3 cells, Primary antibody: PACO19182(PRKCA Antibody) at dilution 1/500, Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution, Exposure time: 1 minute.



The image on the left is immunohistochemistry of paraffin-embedded Human lung cancer tissue using PACO19182(PRKCA Antibody) at dilution 1/30, on the right is treated with synthetic peptide. (Original magnification: x—200).