

**PRKACG Antibody**  
**Purified Mouse Monoclonal Antibody**  
**Catalog # AO1716a****Specification****PRKACG Antibody - Product Information**

Application	E, WB, IHC, FC
Primary Accession	<a href="#">P22612</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	40.4kDa KDa

**Description**

Cyclic AMP-dependent protein kinase (PKA) consists of two catalytic subunits and a regulatory subunit dimer. This gene encodes the gamma form of its catalytic subunit. The gene is intronless and is thought to be a retrotransposon derived from the gene for the alpha form of the PKA catalytic subunit.

**Immunogen**

Purified recombinant fragment of human PRKACG expressed in E. Coli. <br />

**Formulation**

Ascitic fluid containing 0.03% sodium azide. <br />

**PRKACG Antibody - Additional Information**

**Gene ID** 5568

**Other Names**

cAMP-dependent protein kinase catalytic subunit gamma, PKA C-gamma, 2.7.11.11, PRKACG

**Dilution**

E~~1/10000  
WB~~1/500 - 1/2000  
IHC~~1/200 - 1/1000  
FC~~1/200 - 1/400

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

PRKACG Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**PRKACG Antibody - Protein Information**

**Name** PRKACG

**Function**

Phosphorylates a large number of substrates in the cytoplasm and the nucleus.

**Tissue Location**

Testis specific. But important tissues such as brain and ovary have not been analyzed for the content of transcript

**PRKACG Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

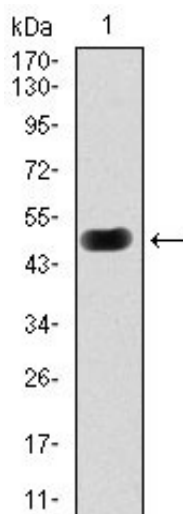
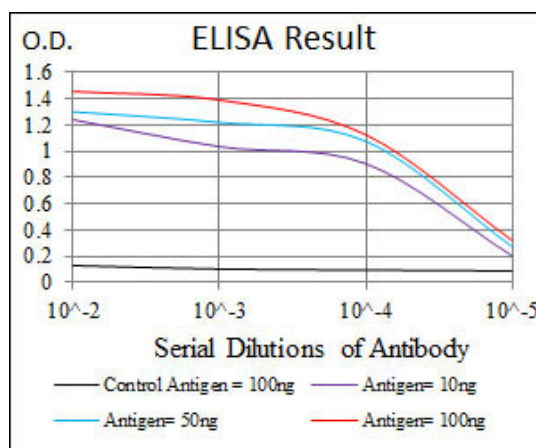


Figure 1: Western blot analysis using PRKACG mAb against human PRKACG (AA: 164-351)

recombinant protein. (Expected MW is 47.1 kDa)

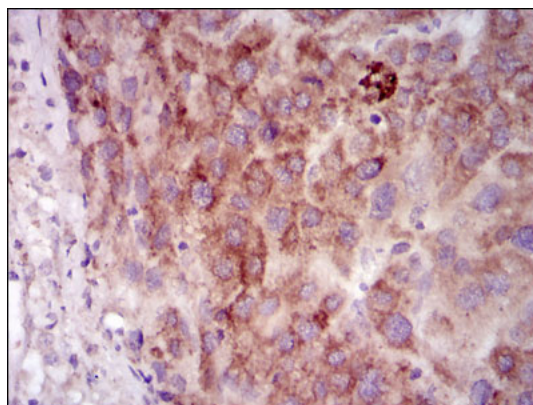


Figure 2: Immunohistochemical analysis of paraffin-embedded liver cancer tissues using PRKACG mouse mAb with DAB staining.

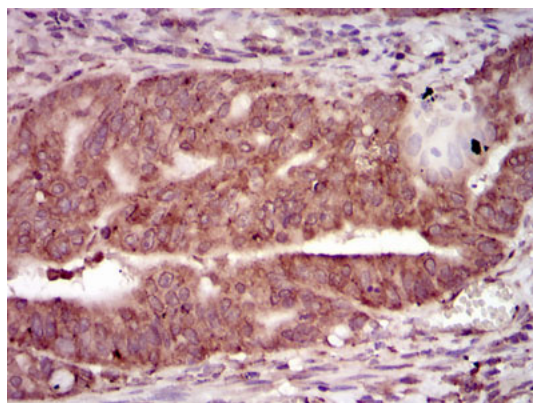


Figure 3: Immunohistochemical analysis of paraffin-embedded rectum cancer tissues using PRKACG mouse mAb with DAB staining.

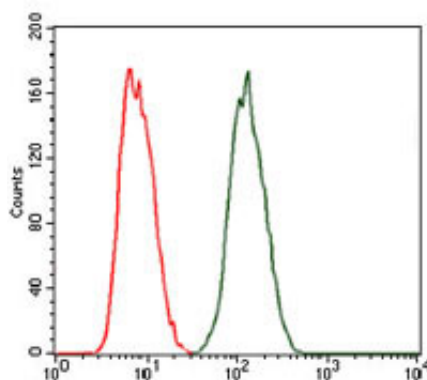


Figure 4: Flow cytometric analysis of MCF-7 cells using PRKACG mouse mAb (green) and negative control (red).

#### PRKACG Antibody - References

1. Mol Cells. 2009 Jul 31;28(1):67-71.
2. J Clin Endocrinol Metab. 2009 Jul;94(7):2406-13.