

PRKACG Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO1716a

Specification

PRKACG Antibody - Product Information

Application	E, WB, IHC, FC
Primary Accession	P22612
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.

Formulation

Ascitic fluid containing 0.03% sodium azide.

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](#)

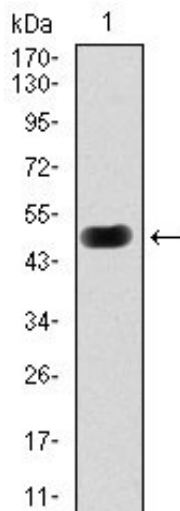
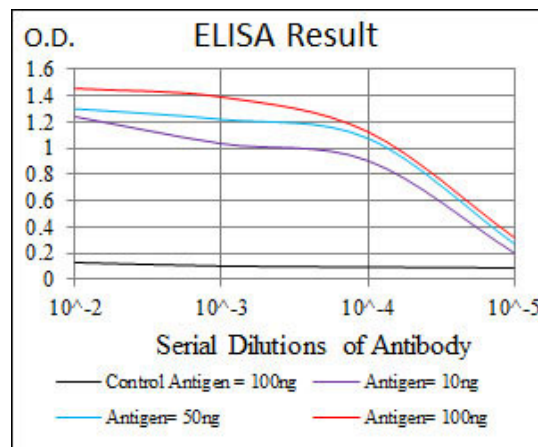


Figure 1: Western blot analysis using PRKACG mAb against human PRKACG (AA: 164-351)

recombinant protein. (Expected MW is 47.1 kDa)

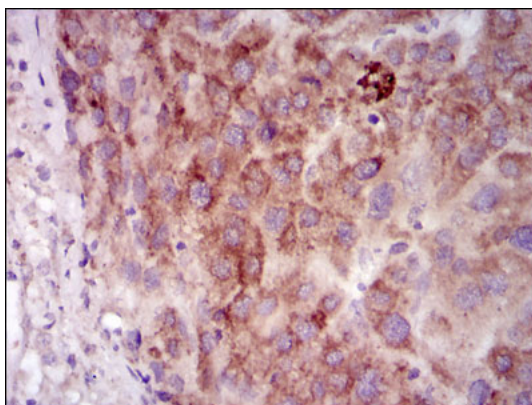


Figure 2: Immunohistochemical analysis of paraffin-embedded liver cancer tissues using PRKACG mouse mAb with DAB staining.

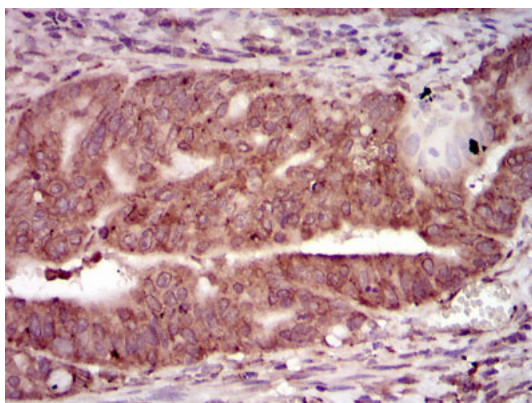


Figure 3: Immunohistochemical analysis of paraffin-embedded rectum cancer tissues using PRKACG mouse mAb with DAB staining.

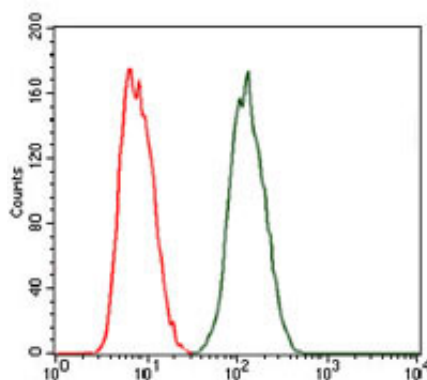


Figure 4: Flow cytometric analysis of MCF-7 cells using PRKACG mouse mAb (green) and negative control (red).

PRKACG Antibody - References

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