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PRKACG Antibody

Purified Mouse Monoclonal Antibody
Catalog # AO1716a

Product Information

Application	WB, IHC, FC, E
Primary Accession	P22612
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	2E4
Isotype	IgG1
Calculated MW	40434
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.

Additional Information

Gene ID	5568
Other Names	cAMP-dependent protein kinase catalytic subunit gamma, PKA C-gamma, 2.7.11.11, PRKACG
Dilution	WB~~1/500 - 1/2000 IHC~~1/200 - 1/1000 FC~~1/200 - 1/400 E~~1/10000
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.

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

References

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

Images

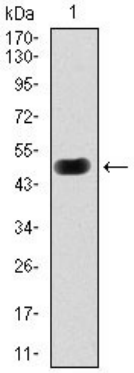

Figure 1: Western blot analysis using PRKACG mAb against human PRKACG (AA: 164-351) recombinant protein. (Expected MW is 47.1 kDa)

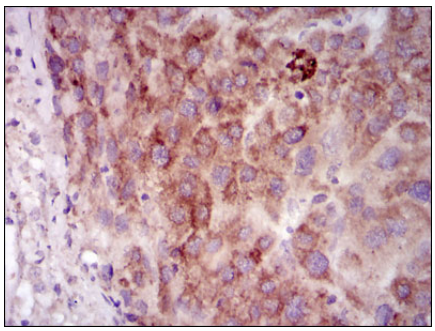

Figure 2: Immunohistochemical analysis of paraffin-embedded liver cancer tissues using PRKACG mouse mAb with DAB staining.

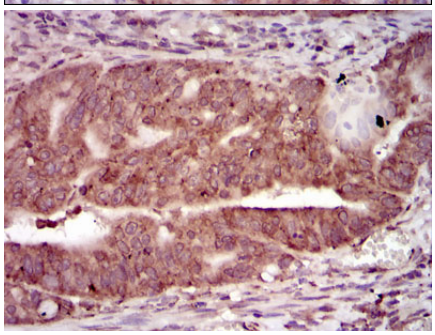

Figure 3: Immunohistochemical analysis of paraffin-embedded rectum cancer tissues using PRKACG mouse mAb with DAB staining.

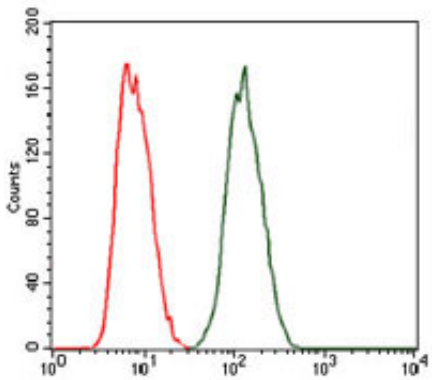

Figure 4: Flow cytometric analysis of MCF-7 cells using PRKACG mouse mAb (green) and negative control (red).