



PKA γ cat Monoclonal Antibody

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|---------------------------|--|
| Catalog No | BYmab-14930 |
| Isotype | IgG |
| Reactivity | Human;Rat;Mouse; |
| Applications | WB |
| Gene Name | PRKACG |
| Protein Name | cAMP-dependent protein kinase catalytic subunit gamma |
| Immunogen | The antiserum was produced against synthesized peptide derived from human KAPCG. AA range:1-50 |
| Specificity | PKA γ cat Monoclonal Antibody detects endogenous levels of PKA γ cat protein. |
| Formulation | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| Source | Monoclonal, Mouse,IgG |
| Purification | The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen. |
| Dilution | WB 1:500-2000 |
| Concentration | 1 mg/ml |
| Purity | $\geq 90\%$ |
| Storage Stability | -20°C/1 year |
| Synonyms | PRKACG; cAMP-dependent protein kinase catalytic subunit gamma; PKA C-gamma |
| Observed Band | 40kD |
| Cell Pathway | nucleoplasm,cytosol,ciliary base, |
| Tissue Specificity | Testis specific. But important tissues such as brain and ovary have not been analyzed for the content of transcript. |
| Function | catalytic activity:ATP + a protein = ADP + a phosphoprotein.,enzyme regulation:Activated by cAMP.,function:Phosphorylates a large number of substrates in the cytoplasm and the nucleus.,similarity:Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family. cAMP subfamily.,similarity:Contains 1 AGC-kinase C-terminal domain.,similarity:Contains 1 protein kinase domain.,subunit:A number of inactive tetrameric holoenzymes are produced by the combination of homo- or heterodimers of the different regulatory subunits associated with two catalytic subunits. cAMP causes the dissociation of the inactive holoenzyme into a dimer of regulatory subunits bound to four cAMP and two free monomeric catalytic |

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Background

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. [provided by RefSeq, Jul 2008],

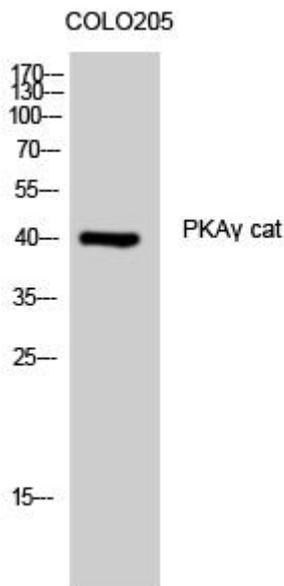
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using PKA γ cat Monoclonal Antibody