

AM50336PU-S**Monoclonal Antibody to 14-3-3 protein gamma - Purified**

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| Alternate names: | KCIP-1, Protein kinase C inhibitor protein 1, YWHAG |
| Quantity: | 50 µl |
| Concentration: | 1.0 mg/ml |
| Background: | The 14-3-3 family of proteins plays a key regulatory role in signal transduction, checkpoint control, apoptotic and nutrient-sensing pathways. 14-3-3 proteins are highly conserved and ubiquitously expressed. There are at least seven isoforms, Beta, Gamma, Epsilon, Delta, Zeta, Tau and Eta that have been identified in mammals. The 14-3-3 gamma, a subtype of the 14-3-3 family of proteins, was thought to be brain and neuron-specific. It has been shown to interact with RAF1 and protein kinase C, proteins involved in various signal transduction pathways. |
| Uniprot ID: | P61981 |
| NCBI: | NP_036611 |
| GeneID: | 7532 |
| Host / Isotype: | Mouse / IgG1 |
| Recommended Isotype Controls: | SM10P (for use in human samples), AM03095PU-N |
| Clone: | AT4B9 |
| Immunogen: | Recombinant human 14-3-3 gamma (1-247aa) purified from E. coli. |
| Format: | State: Liquid purified Ig fraction Purification: Protein-A affinity chromatography Buffer System: PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol |
| Applications: | ELISA. WB: 1/1000 (using lysates of HeLa (40µg) and mouse brain (40 µg), resolved by SDS-PAGE and transferred to PVDF membrane) ICC/IF: 1/100 (using HeLa cell line). Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user. |
| Specificity: | Recognizes Human 14-3-3 gamma (YWHAG). Other species not tested. |
| Storage: | Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch. |
| General Readings: | 1. Takagaki Y, Manley JL. A human polyadenylation factor is a G protein beta-subunit homologue. J Biol Chem. 1992 Nov 25;267(33):23471-4. PubMed PMID: 1358884. 2. Takagaki Y, Manley JL. Complex protein interactions within the human polyadenylation machinery identify a novel component. Mol Cell Biol. 2000 Mar;20(5):1515-25. PubMed PMID: 10669729. 3. Kleiman FE, Manley JL. Functional interaction of BRCA1-associated BARD1 with polyadenylation factor CstF-50. Science. 1999 Sep 3;285(5433):1576-9. PubMed PMID: |

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