

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

Alternate names:	KCIP-1, Protein kinase C inhibitor protein 1, YWHAG
Quantity:	0.1 ml
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:

10477523.