OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for AM50336PU-S

14 3 3 gamma (YWHAG) Mouse Monoclonal Antibody [Clone ID: AT4B9]

Product data:

Product Type:	Primary Antibodies
Clone Name:	AT4B9
Applications:	ELISA, IF, WB
Recommended Dilution:	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).
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant human 14-3-3 gamma (1-247aa) purified from E. coli.
Specificity:	Recognizes Human 14-3-3 gamma (YWHAG). Other species not tested.
Formulation:	PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein-A affinity chromatography
Conjugation:	Unconjugated
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.
Stability:	Shelf life: one year from despatch.
Gene Name:	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein gamma
Database Link:	Entrez Gene 7532 Human P61981

View online »

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.

Synonyms: YWHAG, KCIP-1

Protein Families: Druggable Genome

Protein Pathways: Cell cycle, Neurotrophin signaling pathway, Oocyte meiosis