

# Recombinant Anti-14-3-3 gamma Rabbit mAb

Catalog # AP94986

## Product Information

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|-------------------|------------------------|
| Application       | WB, FC                 |
| Primary Accession | <a href="#">P61981</a> |
| Reactivity        | Human, Mouse, Rat      |
| Host              | Rabbit                 |
| Clonality         | Monoclonal             |
| Calculated MW     | 28303                  |

## Additional Information

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| Gene ID            | 7532                                                                                                                           |
| Other Names        | 14-3-3 protein gamma; Protein kinase C inhibitor protein 1; KCIP-1                                                             |
| Target/Specificity | KLH-conjugated synthetic peptide encompassing a sequence within human 14-3-3 gamma protein. The exact sequence is proprietary. |
| Dilution           | WB~~WB (1/500 - 1/1000) FC~~1:10~50                                                                                            |
| Format             | Liquid in PBS, pH 7.3, 50% glycerol, 0.05% BSA, and 0.05% Proclin300.                                                          |
| Storage            | Store at -20 °C.Stable for 12 months from date of receipt                                                                      |

## Protein Information

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| Name     | YWHAG ( <a href="#">HGNC:12852</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Function | Adapter protein implicated in the regulation of a large spectrum of both general and specialized signaling pathways (PubMed: <a href="#">15696159</a> , PubMed: <a href="#">16511572</a> , PubMed: <a href="#">36732624</a> ). Binds to a large number of partners, usually by recognition of a phosphoserine or phosphothreonine motif (PubMed: <a href="#">15696159</a> , PubMed: <a href="#">16511572</a> , PubMed: <a href="#">36732624</a> ). Binding generally results in the modulation of the activity of the binding partner (PubMed: <a href="#">16511572</a> ). Promotes inactivation of WDR24 component of the GATOR2 complex by binding to phosphorylated WDR24 (PubMed: <a href="#">36732624</a> ). Participates in the positive regulation of NMDA glutamate receptor activity by promoting the L- glutamate secretion through interaction with BEST1 (PubMed: <a href="#">29121962</a> ). Reduces keratinocyte intercellular adhesion, via interacting with PKP1 and sequestering it in the cytoplasm, thereby reducing its incorporation into desmosomes (PubMed: <a href="#">29678907</a> ). Plays a role in mitochondrial protein catabolic process (also named MALM) that promotes the degradation of damaged proteins inside mitochondria (PubMed: <a href="#">22532927</a> ). |

**Cellular Location**

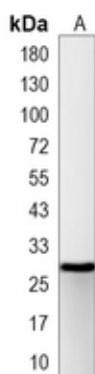
Cytoplasm, cytosol. Mitochondrion matrix. Note=Translocates to the mitochondrial matrix following induction of MALM (mitochondrial protein catabolic process).

**Tissue Location**

Highly expressed in brain, skeletal muscle, and heart.

**Images**

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Western blot analysis of 14-3-3 gamma expression in HeLa (A) whole cell lysates. (Predicted band size: 28 kD; Observed band size: 28 kD)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.