

**14-3-3 gamma Antibody**  
**Rabbit mAb**  
**Catalog # AP90852****Specification**

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**14-3-3 gamma Antibody - Product Information**

Application	WB, FC
Primary Accession	<a href="#">P61981</a>
Reactivity	Rat
Clonality	Monoclonal
<b>Other Names</b>	
1433G, 143G, KCIP-1, Protein kinase C inhibitor protein-1, YWHAG; gamma polypeptide;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	28303 Da

**14-3-3 gamma Antibody - Additional Information**

Dilution	WB~~1:1000 FC~~1:10~50
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human 14-3-3 gamma
Description	Induce target protein conformational changes that modify target protein function. Distinct temporal and spatial expression patterns of 14-3-3 isoforms have been observed in development and in acute response to extracellular signals and drugs, suggesting that 14-3-3 isoforms may perform different functions despite their sequence similarities.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

**14-3-3 gamma Antibody - Protein Information****Name** YWHAG ([HGNC:12852](#))**Function**

Adapter protein implicated in the regulation of a large spectrum of both general and specialized signaling pathways (PubMed:<a href="http://www.uniprot.org/citations/15696159" target="\_blank">15696159</a>, PubMed:<a href="http://www.uniprot.org/citations/16511572" target="\_blank">16511572</a>, PubMed:<a href="http://www.uniprot.org/citations/36732624" target="\_blank">36732624</a>). Binds to a large number of partners, usually by recognition of a

phosphoserine or phosphothreonine motif (PubMed:<a href="http://www.uniprot.org/citations/15696159" target="\_blank">15696159</a>, PubMed:<a href="http://www.uniprot.org/citations/16511572" target="\_blank">16511572</a>, PubMed:<a href="http://www.uniprot.org/citations/36732624" target="\_blank">36732624</a>). Binding generally results in the modulation of the activity of the binding partner (PubMed:<a href="http://www.uniprot.org/citations/16511572" target="\_blank">16511572</a>). Promotes inactivation of WDR24 component of the GATOR2 complex by binding to phosphorylated WDR24 (PubMed:<a href="http://www.uniprot.org/citations/36732624" target="\_blank">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="http://www.uniprot.org/citations/29121962" target="\_blank">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="http://www.uniprot.org/citations/29678907" target="\_blank">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="http://www.uniprot.org/citations/22532927" target="\_blank">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.

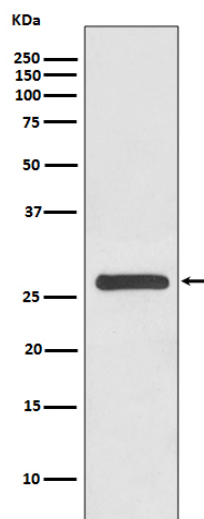
### **14-3-3 gamma Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **14-3-3 gamma Antibody - Images**





Western blot analysis of 14-3-3 gamma expression in HeLa cell lysate.