

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

14-3-3 gamma Antibody - Product Information

Application	WB, FC
Primary Accession	P61981
Reactivity	Rat
Clonality	Monoclonal
Other Names	
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

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 InformationName YWHAG ([HGNC:12852](#))**Function**

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

<http://www.uniprot.org/citations/16511572> target="_blank">16511572, PubMed:36732624. Binding generally results in the modulation of the activity of the binding partner (PubMed:16511572). Promotes inactivation of WDR24 component of the GATOR2 complex by binding to phosphorylated WDR24 (PubMed:36732624). Participates in the positive regulation of NMDA glutamate receptor activity by promoting the L-glutamate secretion through interaction with BEST1 (PubMed:29121962). Reduces keratinocyte intercellular adhesion, via interacting with PKP1 and sequestering it in the cytoplasm, thereby reducing its incorporation into desmosomes (PubMed:29678907). Plays a role in mitochondrial protein catabolic process (also named MALM) that promotes the degradation of damaged proteins inside mitochondria (PubMed:22532927).

Cellular Location

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

Tissue Location

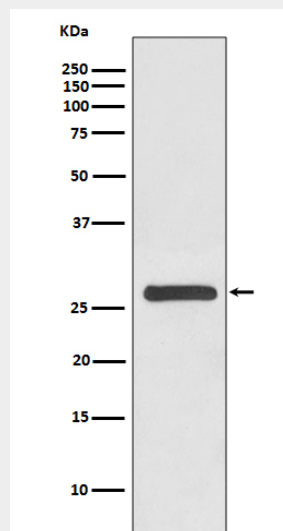
Highly expressed in brain, skeletal muscle, and heart.

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.