10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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

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:15696159, PubMed:16511572, PubMed:36732624). Binds to a large number of partners, usually by recognition of a

phosphoserine or phosphothreonine motif (PubMed:15696159, PubMed: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 Cytomety
- Cell Culture

14-3-3 gamma Antibody - Images

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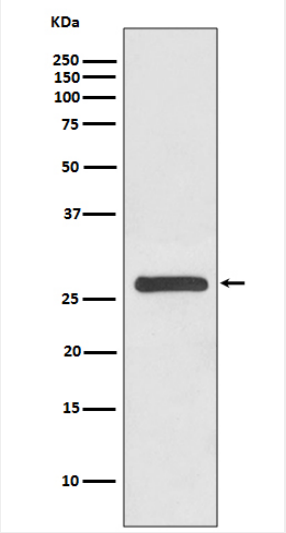

Western blot analysis of 14-3-3 gamma expression in HeLa cell lysate.