

**14-3-3 gamma Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP51619**

**Specification**

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

Application	<b>WB</b>
Primary Accession	<a href="#">P61981</a>
Reactivity	<b>Human, Mouse, Rat</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>28 KDa</b>
Antigen Region	<b>51 - 110</b>

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

**Gene ID** 7532

**Other Names**

14-3-3 protein gamma, Protein kinase C inhibitor protein 1, KCIP-1, 14-3-3 protein gamma, N-terminally processed, YWHAG

**Target/Specificity**

KLH conjugated synthetic peptide derived from human 14-3-3 gamma

**Dilution**

WB~~ 1:1000

**Format**

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**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](http://www.uniprot.org/citations/15696159), PubMed: [16511572](http://www.uniprot.org/citations/16511572), PubMed: [36732624](http://www.uniprot.org/citations/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), PubMed: [16511572](http://www.uniprot.org/citations/16511572), PubMed: [36732624](http://www.uniprot.org/citations/36732624)). 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>).

#### Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:P68252}.

#### Tissue Location

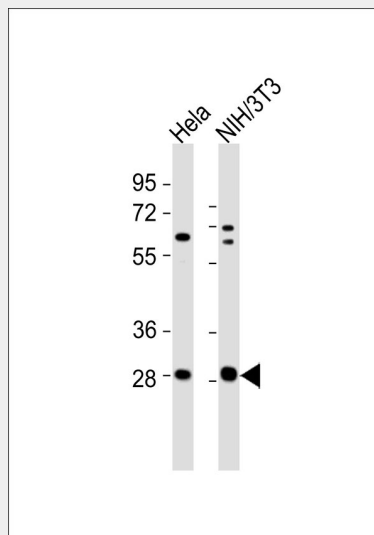
Highly expressed in brain, skeletal muscle, and heart.

### 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



All lanes : Anti-14-3-3 gamma Antibody at 1:1000 dilution Lane 1: Hela whole cell lysates Lane 2: NIH/3T3 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 28 kDa Blocking/Dilution buffer: 5% NFD/MTBST.

### **14-3-3 gamma Antibody - Background**

Adapter protein implicated in the regulation of a large spectrum of both general and specialized signaling pathways. Binds to a large number of partners, usually by recognition of a phosphoserine or phosphothreonine motif. Binding generally results in the modulation of the activity of the binding partner.

### **14-3-3 gamma Antibody - References**

Autieri M.V.,et al.DNA Cell Biol. 18:555-564(1999).  
Horie M.,et al.Genomics 60:241-243(1999).  
Ebert L.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.  
Hillier L.W.,et al.Nature 424:157-164(2003).  
Bienvenut W.V.,et al.Submitted (DEC-2008) to UniProtKB.