

Anti-14-3-3 gamma YWHAG Rabbit Monoclonal Antibody
Catalog # ABO14128**Specification****Anti-14-3-3 gamma YWHAG Rabbit Monoclonal Antibody - Product Information**

Application	WB, FC
Primary Accession	P61981
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid

Description

Anti-14-3-3 gamma YWHAG Rabbit Monoclonal Antibody . Tested in WB, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.

Anti-14-3-3 gamma YWHAG Rabbit Monoclonal 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 (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=12852)
HGNC:12852

Calculated MW

28303 MW KDa

Application Details

WB 1:1000-1:2000
FC 1:50

Subcellular Localization

Cytoplasm.

Tissue Specificity

Highly expressed in brain, skeletal muscle, and heart..

Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen

A synthesized peptide derived from human 14-3-3 gamma

Purification

Affinity-chromatography

Storage

Store at -20°C for one year. For short term

storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Anti-14-3-3 gamma YWHAG Rabbit Monoclonal 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:[16511572](http://www.uniprot.org/citations/16511572)). Promotes inactivation of WDR24 component of the GATOR2 complex by binding to phosphorylated WDR24 (PubMed:[36732624](http://www.uniprot.org/citations/36732624)). Participates in the positive regulation of NMDA glutamate receptor activity by promoting the L-glutamate secretion through interaction with BEST1 (PubMed:[29121962](http://www.uniprot.org/citations/29121962)). Reduces keratinocyte intercellular adhesion, via interacting with PKP1 and sequestering it in the cytoplasm, thereby reducing its incorporation into desmosomes (PubMed:[29678907](http://www.uniprot.org/citations/29678907)). Plays a role in mitochondrial protein catabolic process (also named MALM) that promotes the degradation of damaged proteins inside mitochondria (PubMed:[22532927](http://www.uniprot.org/citations/22532927)).

Cellular Location

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

Tissue Location

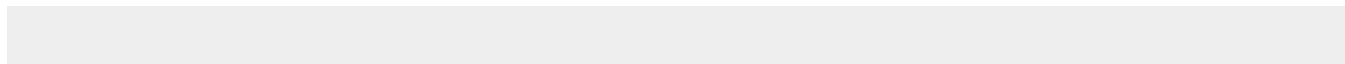
Highly expressed in brain, skeletal muscle, and heart.

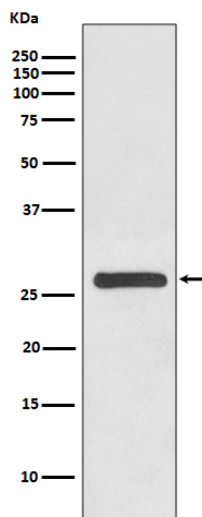
Anti-14-3-3 gamma YWHAG Rabbit Monoclonal Antibody - Protocols

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](#)

Anti-14-3-3 gamma YWHAG Rabbit Monoclonal Antibody - Images





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