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YWHAG Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP2939c

Specification

YWHAG Antibody (Center) Blocking Peptide - Product Information

Primary Accession P61981

YWHAG Antibody (Center) Blocking Peptide - 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
The synthetic peptide sequence used to generate the antibody AP2939c was selected from the Center region of human YWHAG. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

YWHAG Antibody (Center) Blocking Peptide - Protein Information

Name YWHAG

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).

Cellular Location
Cytoplasm {ECO:0000250|UniProtKB:P68252}.

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

YWHAG Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

YWHAG Antibody (Center) Blocking Peptide - Images

YWHAG Antibody (Center) Blocking Peptide - Background

YWHAG belongs to the 14-3-3 family of proteins which mediate signal transduction by binding to phosphoserine-containing proteins. This highly conserved protein family is found in both plants and mammals, and this protein is 100% identical to the rat ortholog. It is induced by growth factors in human vascular smooth muscle cells, and is also highly expressed in skeletal and heart muscles, suggesting an important role for this protein in muscle tissue. It has been shown to interact with RAF1 and protein kinase C, proteins involved in various signal transduction pathways.

YWHAG Antibody (Center) Blocking Peptide - References

Jagemann,L.R., et.al., J. Biol. Chem. 283 (25), 17450-17462 (2008)