

**YWHAQ Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP2929c****Specification**

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**YWHAQ Antibody (Center) Blocking Peptide - Product Information**Primary Accession [P27348](#)**YWHAQ Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 10971**Other Names**

14-3-3 protein theta, 14-3-3 protein T-cell, 14-3-3 protein tau, Protein HS1, YWHAQ

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP2929c](/products/AP2929c) was selected from the Center region of human YWHAQ. 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.

**YWHAQ Antibody (Center) Blocking Peptide - Protein Information****Name** YWHAQ**Function**

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. Negatively regulates the kinase activity of PDPK1.

**Cellular Location**

Cytoplasm. Note=In neurons, axonally transported to the nerve terminals

**Tissue Location**

Abundantly expressed in brain, heart and pancreas, and at lower levels in kidney and placenta. Up-regulated in the lumbar spinal cord from patients with sporadic amyotrophic lateral sclerosis (ALS) compared with controls, with highest levels of expression in individuals with predominant

lower motor neuron involvement

#### **YWHAQ Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

#### **YWHAQ Antibody (Center) Blocking Peptide - Images**

#### **YWHAQ Antibody (Center) Blocking Peptide - Background**

YWHAQ 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 99% identical to the mouse and rat orthologs.

#### **YWHAQ Antibody (Center) Blocking Peptide - References**

Kuzelova,K.,et.al., J. Cell. Biochem. 106 (4), 673-681 (2009)