

**YWHAZ Antibody (T232) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP8152d****Specification**

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**YWHAZ Antibody (T232) Blocking peptide - Product Information**Primary Accession [P63104](#)**YWHAZ Antibody (T232) Blocking peptide - Additional Information****Gene ID** 7534**Other Names**

14-3-3 protein zeta/delta, Protein kinase C inhibitor protein 1, KCIP-1, YWHAZ

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP8152d](/products/AP8152d) was selected from the T232 region of human 14-3-3 protein zeta/delta. 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.

**YWHAZ Antibody (T232) Blocking peptide - Protein Information****Name** YWHAZ**Function**

Adapter protein implicated in the regulation of a large spectrum of both general and specialized signaling pathways (PubMed: [14578935](http://www.uniprot.org/citations/14578935), PubMed: [15071501](http://www.uniprot.org/citations/15071501), PubMed: [15644438](http://www.uniprot.org/citations/15644438), PubMed: [16376338](http://www.uniprot.org/citations/16376338), PubMed: [16959763](http://www.uniprot.org/citations/16959763), PubMed: [31024343](http://www.uniprot.org/citations/31024343), PubMed: [9360956](http://www.uniprot.org/citations/9360956)). Binds to a large number of partners, usually by recognition of a phosphoserine or phosphothreonine motif (PubMed: [35662396](http://www.uniprot.org/citations/35662396)). Binding generally results in the modulation of the activity of the binding partner (PubMed: [35662396](#)).

href="http://www.uniprot.org/citations/35662396" target="\_blank">35662396</a>). Promotes cytosolic retention and inactivation of TFEB transcription factor by binding to phosphorylated TFEB (PubMed:<a href="http://www.uniprot.org/citations/35662396" target="\_blank">35662396</a>). Induces ARHGEF7 activity on RAC1 as well as lamellipodia and membrane ruffle formation (PubMed:<a href="http://www.uniprot.org/citations/16959763" target="\_blank">16959763</a>). In neurons, regulates spine maturation through the modulation of ARHGEF7 activity (By similarity).

**Cellular Location**

Cytoplasm. Melanosome. Note=Located to stage I to stage IV melanosomes.

**YWHAZ Antibody (T232) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**YWHAZ Antibody (T232) Blocking peptide - Images****YWHAZ Antibody (T232) Blocking peptide - Background**

14-3-3 protein zeta/delta belongs to the 14-3-3 family of proteins which mediate signal transduction by binding to phosphoserine-containing proteins. This protein interacts with IRS1 protein, suggesting a role in regulating insulin sensitivity. This highly conserved protein family is found in both plants and mammals, and this protein is 99% identical to the mouse, rat and sheep orthologs.

**YWHAZ Antibody (T232) Blocking peptide - References**

Li,F.Q., J. Cell Biol. 181 (7), 1141-1154 (2008)Mateo,I., Eur. J. Neurol. 15 (3), 219-222 (2008)Li,Z., Proc. Natl. Acad. Sci. U.S.A. 105 (1), 162-167 (2008)Powell,D.W., Mol. Cell. Biol. 23 (15), 5376-5387 (2003)Powell,D.W., J. Biol. Chem. 277 (24), 21639-21642 (2002)