

**YWHAZ Antibody (T232)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP8152d****Specification**

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**YWHAZ Antibody (T232) - Product Information**

Application	<b>WB, IHC-P,E</b>
Primary Accession	<a href="#">P63104</a>
Other Accession	<a href="#">P63102</a> , <a href="#">P63101</a> , <a href="#">O5ZKC9</a> , <a href="#">P63103</a> , <a href="#">P29361</a>
Reactivity	<b>Human</b>
Predicted	<b>Bovine, Chicken, Mouse, Rat, Sheep</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Isotype	<b>Rabbit IgG</b>
Calculated MW	<b>27745</b>
Antigen Region	<b>211-239</b>

**YWHAZ Antibody (T232) - Additional Information****Gene ID** 7534**Other Names**

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

**Target/Specificity**

This YWHAZ antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 211-239 amino acids from human YWHAZ.

**Dilution**WB~~1:1000  
IHC-P~~1:10~50**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

YWHAZ Antibody (T232) is for research use only and not for use in diagnostic or therapeutic procedures.

**YWHAZ Antibody (T232) - Protein Information****Name** YWHAZ

**Function** Adapter protein implicated in the regulation of a large spectrum of both general and specialized signaling pathways (PubMed:[14578935](#), PubMed:[15071501](#), PubMed:[15644438](#), PubMed:[16376338](#), PubMed:[16959763](#), PubMed:[31024343](#), PubMed:[9360956](#)). Binds to a large number of partners, usually by recognition of a phosphoserine or phosphothreonine motif (PubMed:[35662396](#)). Binding generally results in the modulation of the activity of the binding partner (PubMed:[35662396](#)). Promotes cytosolic retention and inactivation of TFEB transcription factor by binding to phosphorylated TFEB (PubMed:[35662396](#)). Induces ARHGEF7 activity on RAC1 as well as lamellipodia and membrane ruffle formation (PubMed:[16959763](#)). In neurons, regulates spine maturation through the modulation of ARHGEF7 activity (By similarity).

#### Cellular Location

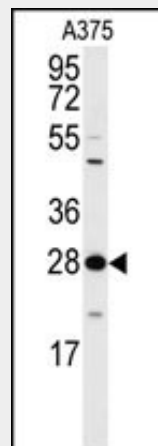
Cytoplasm. Melanosome. Note=Located to stage I to stage IV melanosomes.

#### YWHAZ Antibody (T232) - Protocols

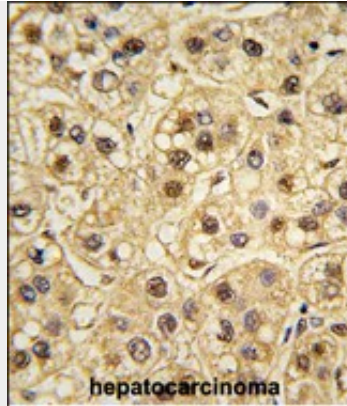
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### YWHAZ Antibody (T232) - Images



Western blot analysis of anti-14-3-3 protein zeta/delta Antibody (T232)(Cat.#AP8152d) in A375 cell line lysates (35ug/lane). 14-3-3 (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human testis tissue reacted with YWHAZ Antibody (Cat.#AP8152d), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

#### **YWHAZ Antibody (T232) - 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) - 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)