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YWHAZ Antibody (T232)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP8152d

Specification

YWHAZ Antibody (T232) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	P63104
Other Accession	P63102, P63101, Q5ZKC9, P63103, P29361
Reactivity	**Human**
Predicted	**Bovine, Chicken, Mouse, Rat, Sheep**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**27745**
Antigen Region	**211-239**

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
E~~Use at an assay dependent concentration.

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).

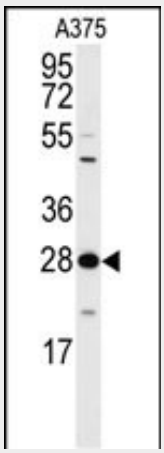
Cellular Location
Cytoplasm. Melanosome. Note=Located to stage I to stage IV melanosomes.

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 Cytomety
- Cell Culture

YWHAZ Antibody (T232) - Images



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

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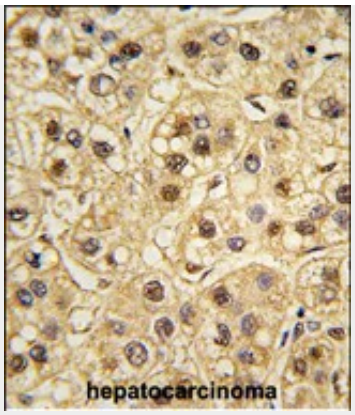

Formalin-fixed and paraffin-embedded human testis tissue reacted with YWHAZ Antibody (Cat.#AP8152d), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

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

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Mateo,I., Eur. J. Neurol. 15 (3), 219-222 (2008)
Li,Z., Proc. Natl. Acad. Sci. U.S.A. 105 (1), 162-167 (2008)
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