

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

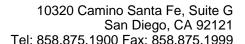
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

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

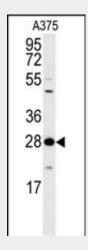
Cytoplasm. Melanosome. Note=Located to stage I to stage IV melanosomes.

YWHAZ Antibody (T232) - Protocols

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

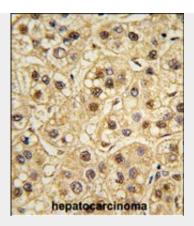
- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

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.





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)