

**YWHAB Antibody (C-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP8155b****Specification**

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**YWHAB Antibody (C-term) - Product Information**

Application	IF, WB, IHC-P,E
Primary Accession	<a href="#">P31946</a>
Other Accession	<a href="#">Q5PRD0</a> , <a href="#">P35213</a> , <a href="#">Q9COV8</a> , <a href="#">Q4R572</a> , <a href="#">Q5ZLO6</a> , <a href="#">P68250</a>
Reactivity	Human
Predicted	Bovine, Chicken, Monkey, Mouse, Rat, Zebrafish
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	28082
Antigen Region	217-246

**YWHAB Antibody (C-term) - Additional Information****Gene ID** 7529**Other Names**

14-3-3 protein beta/alpha, Protein 1054, Protein kinase C inhibitor protein 1, KCIP-1, 14-3-3 protein beta/alpha, N-terminally processed, YWHAB

**Target/Specificity**

This YWHAB antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 217-246 amino acids from the C-terminal region of human YWHAB.

**Dilution**IF~~1:10~50  
WB~~1:1000  
IHC-P~~1:50~100**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

**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**

YWHAB Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**YWHAB Antibody (C-term) - Protein Information**

**Name** YWHAB

**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. Negative regulator of osteogenesis. Blocks the nuclear translocation of the phosphorylated form (by AKT1) of SRPK2 and antagonizes its stimulatory effect on cyclin D1 expression resulting in blockage of neuronal apoptosis elicited by SRPK2. Negative regulator of signaling cascades that mediate activation of MAP kinases via AKAP13.

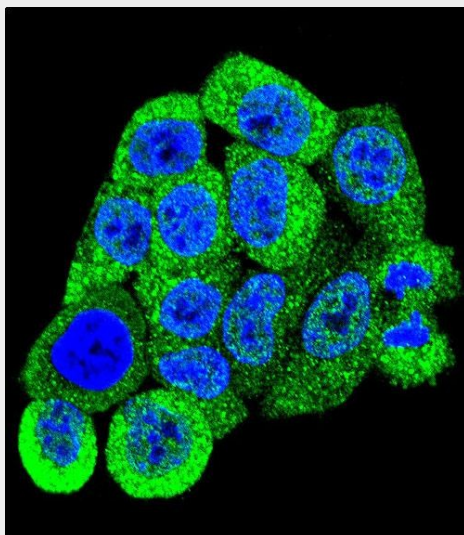
**Cellular Location**

Cytoplasm. Melanosome. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV

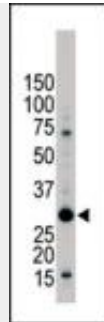
**YWHAB Antibody (C-term) - Protocols**

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

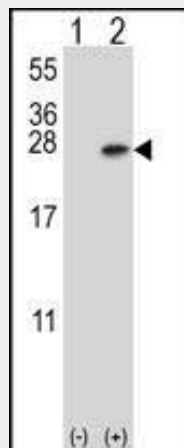
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**YWHAB Antibody (C-term) - Images**

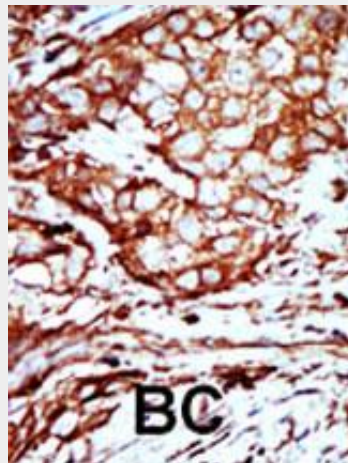
Confocal immunofluorescent analysis of YWHAB Antibody (C-term)(Cat#AP8155b) with HeLa cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



The anti-YWHAB Pab (Cat. #AP8155b) is used in Western blot to detect YWHAB in Jurkat cell lysate.



Western blot analysis of YWHAB (arrow) using rabbit polyclonal YWHAB Antibody (C-term) (Cat. #AP8155b). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the YWHAB gene.



Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.

**YWHAB Antibody (C-term) - Background**

YWHAB belongs to the 14-3-3 family of proteins, members of which mediate signal transduction by binding to phosphoserine-containing proteins. This highly conserved protein family is found in both plants and mammals. The encoded protein has been shown to interact with RAF1 and CDC25

phosphatases, suggesting that it may play a role in linking mitogenic signaling and the cell cycle machinery. Two transcript variants differing in the 5' UTR, but encoding the same protein, have been identified for the gene. Both variants encode the same protein, however, they are differentially expressed in hematopoietic cells.

#### **YWHAB Antibody (C-term) - References**

Komori, T., et al., *Acta Neuropathol.* 106(1):66-70 (2003). Cavet, M.E., et al., *J. Biol. Chem.* 278(20):18376-18383 (2003). Li, Y., et al., *J. Biol. Chem.* 278(16):13663-13671 (2003). Shumway, S.D., et al., *J. Biol. Chem.* 278(4):2089-2092 (2003). Parvaresh, S., et al., *FEBS Lett.* 532(3):357-362 (2002).