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YWHAB Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP8155a

Specification

YWHAB Antibody (N-term) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	P31946
Other Accession	P35213, Q9CQV8, Q4R572, P68250
Reactivity	**Human**
Predicted	**Bovine, Monkey, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**56-85**

YWHAB Antibody (N-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 56-85 amino acids from the N-terminal region of human YWHAB.

Dilution
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 (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

YWHAB Antibody (N-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.

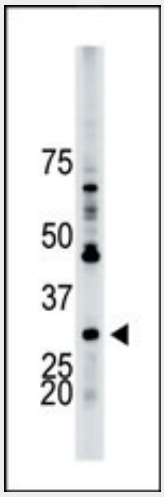
Cellular Location
Cytoplasm. Melanosome. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV

YWHAB Antibody (N-term) - Protocols

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

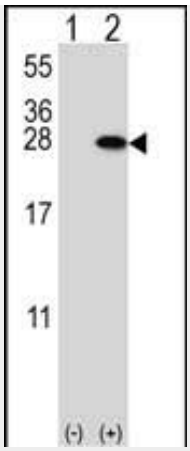
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

YWHAB Antibody (N-term) - Images

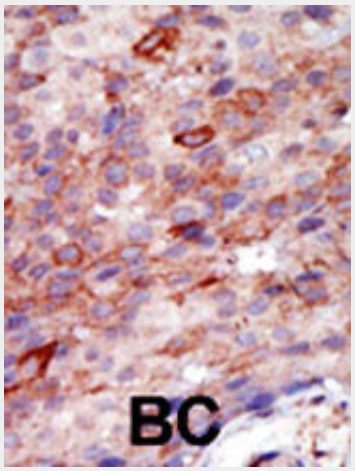


The anti-YWHAB Pab (Cat. #AP8155a) is used in Western blot to detect YWHAB in HL-60 cell lysate.

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Western blot analysis of YWHAB (arrow) using rabbit polyclonal YWHAB Antibody (T71) (Cat. #AP8155a). 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 DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.

YWHAB Antibody (N-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 (N-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).
Parvaresch, S., et al., FEBS Lett. 532(3):357-362 (2002).

YWHAB Antibody (N-term) - Citations

- 14-3-3β Promotes Migration and Invasion of Human Hepatocellular Carcinoma Cells by Modulating Expression of MMP2 and MMP9 through PI3K/Akt/NF-κB Pathway.
- BSCL2/seipin regulates adipogenesis through actin cytoskeleton remodelling.
- Effects of triterpenes from Ganoderma lucidum on protein expression profile of HeLa cells.