

## Rabbit YWHAB Polyclonal Antibody | anti-YWHAB antibody

YWHAB Antibody (N-term)

| CATALOG # | HOST   | REACTIVITY                                               | APPLICATIONS                              |
|-----------|--------|----------------------------------------------------------|-------------------------------------------|
| AAA289028 | Rabbit | Human (Predicted Reactivity: Bovine, Monkey, Mouse, Rat) | Immunohistochemistry, ELISA, Western Blot |

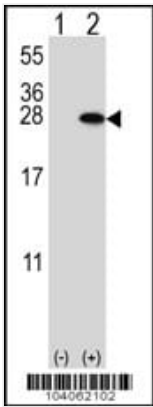
### PRODUCT SYNONYMS

YWHAB; Polyclonal Antibody; YWHAB Antibody (N-term); 14-3-3 protein beta/alpha; Protein 1054; Protein kinase C inhibitor protein 1; KCIP-1; N-terminally processed; anti-YWHAB antibody

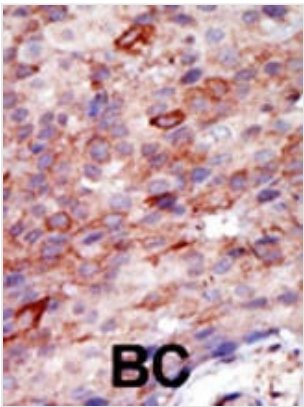
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                           |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                    |
| Reactivity                                      | Human (Predicted Reactivity: Bovine, Monkey, Mouse, Rat)                                                                                                                                  |
| Clonality                                       | Polyclonal                                                                                                                                                                                |
| Isotype                                         | Rabbit Ig                                                                                                                                                                                 |
| 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.                      |
| Purity/Purification                             | Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                                                 |
| Form/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. |
| Concentration                                   | Vial Concentration: 2 (varies by lot)                                                                                                                                                     |
| Sequence Positions                              | 56-85                                                                                                                                                                                     |
| Sequence Length                                 | 244                                                                                                                                                                                       |
| Applicable Applications for anti-YWHAB antibody | IHC (Immunohistochemistry), ELISA, WB (Western Blot)                                                                                                                                      |
| Antigen Type                                    | Synthetic Peptide                                                                                                                                                                         |
| Antigen Source                                  | HUMAN                                                                                                                                                                                     |
| Preparation and Storage                         | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                                    |

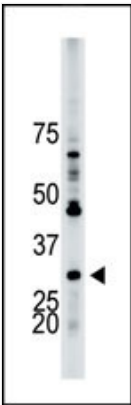
IMAGES



**WB (Western Blot)**  
Western blot analysis of YWHAB (arrow) using rabbit polyclonal YWHAB Antibody (T71). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the YWHAB gene.



**IHC (Immunohistochemistry)**  
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.



**WB (Western Blot)**  
The anti-YWHAB Pab is used in Western blot to detect YWHAB in HL-60 cell lysate.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-YWHAB antibody | 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. |
| Product Categories/Family for anti-YWHAB antibody   | Cell Biology; Neuroscience; Signal Transduction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| References                                          | Komori, T., et al., Acta Neuropathol. 106(1):66-70 (2003).<br>Cavet, M.E., et al., J. Biol. Chem. 278(20):18376-18383 (2003).<br>Li, Y., et al., J. Biol. Chem. 278(16):13663-13671 (2003).<br>Shumway, S.D., et al., J. Biol. Chem. 278(4):2089-2092 (2003).<br>Parvaresch, S., et al., FEBS Lett. 532(3):357-362 (2002).                                                                                                                                                                                                                                                                                                            |

NCBI AND UNIPROT INFORMATION

|                  |                          |
|------------------|--------------------------|
| NCBI GI #        | 4507949                  |
| NCBI GeneID      | 7529                     |
| NCBI Accession # | NP_003395.1; NP_647539.1 |

|                                  |                                                                              |
|----------------------------------|------------------------------------------------------------------------------|
| NCBI GenBank Nucleotide #        | <a href="#">NM_003404.4</a>                                                  |
| UniProt Accession #              | <a href="#">P31946</a> ; <a href="#">A8K9K2</a> ; <a href="#">E1P616</a>     |
| Molecular Weight                 | 28082                                                                        |
| NCBI Official Full Name          | 14-3-3 protein beta/alpha                                                    |
| NCBI Official Synonym Full Names | tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, beta |
| NCBI Official Symbol             | YWHAB                                                                        |
| NCBI Official Synonym Symbols    | HS1; GW128; YWHAA; KCIP-1; HEL-S-1                                           |
| NCBI Protein Information         | 14-3-3 protein beta/alpha                                                    |
| UniProt Protein Name             | 14-3-3 protein beta/alpha                                                    |
| UniProt Gene Name                | <b>YWHAB</b>                                                                 |
| UniProt Synonym Gene Names       | KCIP-1                                                                       |
| UniProt Entry Name               | 1433B_HUMAN                                                                  |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ywhab-antibody-immunohistochemistry-western-blot-elisa/289028>