

## Rabbit 14-3-3 beta Polyclonal Antibody | anti-YWHAB antibody

Anti-14-3-3 beta Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                                                |
|-----------|--------|-------------------|-----------------------------------------------------------------------------|
| AAA262847 | Rabbit | Human, Mouse, Rat | Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot |

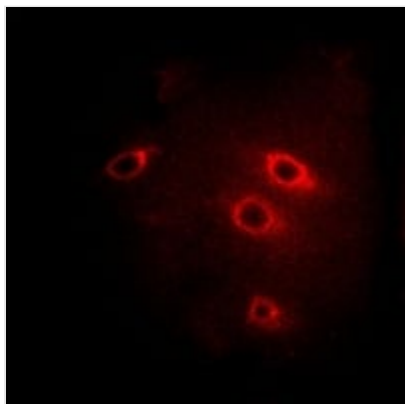
### PRODUCT SYNONYMS

14-3-3 beta; Polyclonal Antibody; Anti-14-3-3 beta Antibody; 14-3-3 protein beta/alpha; Protein 1054; Protein kinase C inhibitor protein 1; KCIP-1; anti-YWHAB antibody

### PRODUCT SPECIFICATIONS

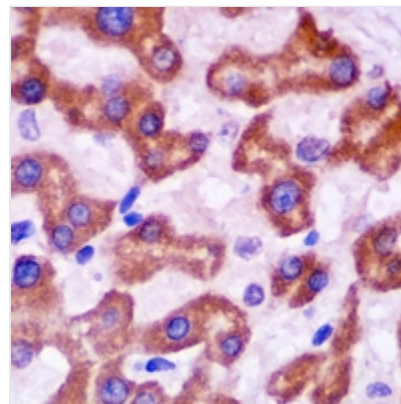
|                                                 |                                                                                                                |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                         |
| Reactivity                                      | Human, Mouse, Rat                                                                                              |
| Clonality                                       | Polyclonal                                                                                                     |
| Specificity                                     | Recognizes endogenous levels of 14-3-3 beta protein.                                                           |
| Purity/Purification                             | The antibody was purified by immunogen affinity chromatography.                                                |
| Form/Format                                     | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.      |
| Sequence Length                                 | 246                                                                                                            |
| Applicable Applications for anti-YWHAB antibody | ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)              |
| Immunogen                                       | Recombinant full length protein of human 14-3-3 beta                                                           |
| Preparation and Storage                         | Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles. |

### IMAGES



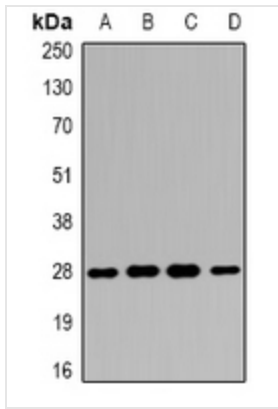
#### IF (Immunofluorescence)

Immunofluorescent analysis of 14-3-3 beta staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.



#### IHC (Immunohistochemistry)

Immunohistochemical analysis of 14-3-3 beta staining in rat liver formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



#### WB (Western Blot)

Western blot analysis of 14-3-3 beta expression in SW480 (A), HepG2 (B), mouse liver (C), mouse kidney (D) whole cell lysates.

### ADDITIONAL INFORMATION

|                                                     |                                           |
|-----------------------------------------------------|-------------------------------------------|
| Related Product Information for anti-YWHAB antibody | Rabbit polyclonal antibody to 14-3-3 beta |
|-----------------------------------------------------|-------------------------------------------|

### NCBI AND UNIPROT INFORMATION

|                                  |                                                                             |
|----------------------------------|-----------------------------------------------------------------------------|
| NCBI GI #                        | 4507949                                                                     |
| NCBI GeneID                      | 7529                                                                        |
| NCBI Accession #                 | NP_003395.1                                                                 |
| NCBI GenBank Nucleotide #        | NM_003404.4                                                                 |
| UniProt Accession #              | P31946; A8K9K2; E1P616                                                      |
| Molecular Weight                 | 27,850 Da                                                                   |
| 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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