

# Anti-YWHAZ / 14-3-3 Zeta Antibody (aa51-100)

Rabbit Anti Human Polyclonal Antibody

Catalog # ALS17761

## Product Information

|                   |                        |
|-------------------|------------------------|
| Application       | WB, IHC-P, E           |
| Primary Accession | <a href="#">P63104</a> |
| Predicted         | Human, Mouse, Rat      |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Isotype           | IgG                    |
| Calculated MW     | 27745                  |

## Additional Information

|                          |                                                                                                                                |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Gene ID                  | 7534                                                                                                                           |
| Alias Symbol             | YWHAZ                                                                                                                          |
| Other Names              | YWHAZ, 14-3-3 protein zeta/delta, 14-3-3-zeta, 14-3-3 delta, 14-3-3 protein zeta, 14-3-3 zeta, Phospholipase A2, YWHAD, KCIP-1 |
| Target/Specificity       | 14-3-3 zeta Antibody detects endogenous levels of total 14-3-3 zeta protein.                                                   |
| Reconstitution & Storage | Immunoaffinity purified                                                                                                        |
| Precautions              | Anti-YWHAZ / 14-3-3 Zeta Antibody (aa51-100) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| Name              | YWHAZ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Function          | Adapter protein implicated in the regulation of a large spectrum of both general and specialized signaling pathways (PubMed: <a href="#">14578935</a> , PubMed: <a href="#">15071501</a> , PubMed: <a href="#">15644438</a> , PubMed: <a href="#">16376338</a> , PubMed: <a href="#">16959763</a> , PubMed: <a href="#">31024343</a> , PubMed: <a href="#">9360956</a> ). Binds to a large number of partners, usually by recognition of a phosphoserine or phosphothreonine motif (PubMed: <a href="#">35662396</a> ). Binding generally results in the modulation of the activity of the binding partner (PubMed: <a href="#">35662396</a> ). Promotes cytosolic retention and inactivation of TFEB transcription factor by binding to phosphorylated TFEB (PubMed: <a href="#">35662396</a> ). Induces ARHGEF7 activity on RAC1 as well as lamellipodia and membrane ruffle formation (PubMed: <a href="#">16959763</a> ). 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.