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# Anti-YWHAE / 14-3-3 Epsilon Antibody

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18576

## Product Information

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| **Application** | WB, IHC-P, IF |
| **Primary Accession** | P62258 |
| **Predicted** | Human, Mouse, Rat |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Calculated MW** | 29174 |

## Additional Information

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| **Gene ID** | 7531 |
| **Alias Symbol** | YWHAE |
| **Other Names** | YWHAE, 14-3-3E, 14-3-3 epsilon, 14-3-3 protein epsilon, MDCR, MDS, KCIP-1 |
| **Target/Specificity** | Human YWHAE / 14-3-3 Epsilon |
| **Reconstitution & Storage** | Affinity purified |
| **Precautions** | Anti-YWHAE / 14-3-3 Epsilon Antibody is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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| **Name** | YWHAE |
| **Function** | Adapter protein implicated in the regulation of a large spectrum of both general and specialized signaling pathways (PubMed:21189250). Binds to a large number of partners, usually by recognition of a phosphoserine or phosphothreonine motif (PubMed:35343654). Binding generally results in the modulation of the activity of the binding partner (By similarity). Positively regulates phosphorylated protein HSF1 nuclear export to the cytoplasm (PubMed:12917326). Plays a positive role in the antiviral signaling pathway upstream of TBK1 via interaction with RIGI (PubMed:37555661). Mechanistically, directs RIGI redistribution from the cytosol to mitochondrial associated membranes where it mediates MAVS-dependent innate immune signaling during viral infection (PubMed:22607805). Plays a role in proliferation inhibition and cell cycle arrest by exporting HNRNPC from the nucleus to the cytoplasm to be degraded by ubiquitination (PubMed:37599448). |

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