

YWHAE / 14-3-3 Epsilon Antibody (N-Terminus) Rabbit Polyclonal Antibody Catalog # ALS12901

Specification

YWHAE / 14-3-3 Epsilon Antibody (N-Terminus) - Product Information

Application Primary Accession Reactivity

Host Clonality Calculated MW IHC <u>P62258</u> Human, Mouse, Rat, Rabbit, Chicken, Bovine, Sheep Rabbit Polyclonal 29kDa KDa

YWHAE / 14-3-3 Epsilon Antibody (N-Terminus) - Additional Information

Gene ID 7531

Other Names 14-3-3 protein epsilon, 14-3-3E, YWHAE

Target/Specificity

Recognizes the acetylated N-terminal of 14-3-3 epsilon. It is a member of the 14-3-3 family which consists of 30 kD proteins that are involved in multiple protein kinase signalling pathways, regulation of cell cycle progression, cytoskeletal structur ...

Reconstitution & Storage

+4°C or -20°C, Avoid repeated freezing and thawing.

Precautions YWHAE / 14-3-3 Ensilon Antibody (N-Ter

YWHAE / 14-3-3 Epsilon Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

YWHAE / 14-3-3 Epsilon Antibody (N-Terminus) - Protein Information

Name YWHAE

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 (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).

Cellular Location

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

Volume Array

YWHAE / 14-3-3 Epsilon Antibody (N-Terminus) - Protocols

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

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

YWHAE / 14-3-3 Epsilon Antibody (N-Terminus) - Images



Anti-YWHAE / 14-3-3 Epsilon antibody IHC of human breast. YWHAE / 14-3-3 Epsilon Antibody (N-Terminus) - Background

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YWHAE / 14-3-3 Epsilon Antibody (N-Terminus) - References

Conklin D.S., et al. Proc. Natl. Acad. Sci. U.S.A. 92:7892-7896(1995). Chong S.S., et al. Genome Res. 6:735-741(1996). Jin D.-Y., et al. Nature 382:308-308(1996).



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