

14-3-3 ε Polyclonal Antibody

Catalog # AP68188

Product Information

Application WB, IHC-P, IF **Primary Accession** P62258

Reactivity Human, Mouse, Rat

HostRabbitClonalityPolyclonalCalculated MW29174

Additional Information

Gene ID 7531

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

Dilution WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300.

Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other

applications. IHC-P~~N/A IF~~1:50~200

Format Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium

azide.

Storage Conditions -20°C

Protein Information

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:<u>22607805</u>). 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).

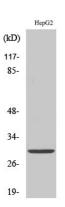
Cellular Location Nucleus. Cytoplasm Melanosome Note=Identified by mass spectrometry in

melanosome fractions from stage I to stage IV.

Background

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. 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).

Images



Western Blot analysis of various cells using 14-3-3 ϵ Polyclonal Antibody diluted at 1 : 1000

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