

**14-3-3  $\epsilon$  Polyclonal Antibody**  
Catalog # AP68188**Specification****14-3-3  $\epsilon$  Polyclonal Antibody - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | WB                     |
| Primary Accession | <a href="#">P62258</a> |
| Reactivity        | Human, Mouse, Rat      |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |

**14-3-3  $\epsilon$  Polyclonal Antibody - 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.

**Format**

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

**Storage Conditions**

-20°C

**14-3-3  $\epsilon$  Polyclonal Antibody - 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](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/12917326)). Plays a positive role in the antiviral signaling pathway upstream of TBK1 via interaction with RIGI (PubMed: [37555661](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/37599448)).

### Cellular Location

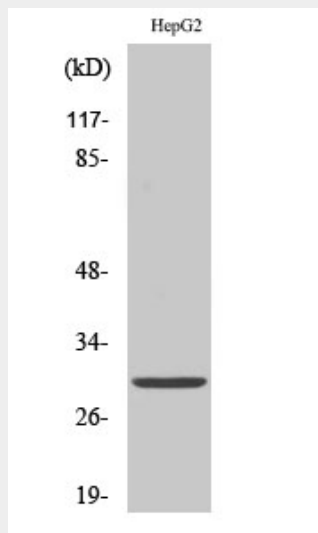
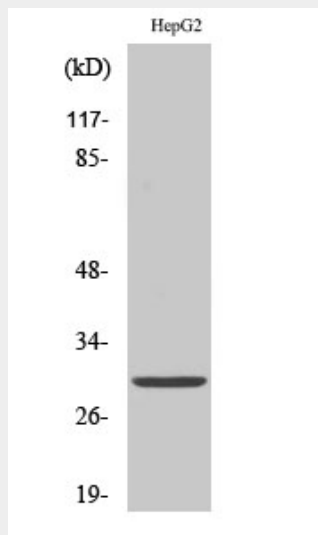
Nucleus. Cytoplasm Melanosome Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

### 14-3-3 $\epsilon$ Polyclonal Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### 14-3-3 $\epsilon$ Polyclonal Antibody - Images



### **14-3-3 $\epsilon$ Polyclonal Antibody - 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).