

# 14-3-3 ζ Polyclonal Antibody

Catalog # AP68189

#### **Product Information**

**Application** WB, IHC-P **Primary Accession** P63104

Reactivity Human, Mouse, Rat

HostRabbitClonalityPolyclonalCalculated MW27745

#### **Additional Information**

**Gene ID** 7534

Other Names YWHAZ; 14-3-3 protein zeta/delta; Protein kinase C inhibitor protein 1; KCIP-1

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

ELISA: 1/10000. Not yet tested in other applications. IHC-P~~N/A

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

azide.

Storage Conditions -20°C

### **Protein Information**

Name YWHAZ

**Function** Adapter protein implicated in the regulation of a large spectrum of both

general and specialized signaling pathways (PubMed: 14578935, PubMed: 15071501, PubMed: 15644438, PubMed: 16376338,

PubMed:16959763, PubMed:31024343, PubMed:9360956). Binds to a large

number of partners, usually by recognition of a phosphoserine or

phosphothreonine motif (PubMed: 35662396). Binding generally results in the

modulation of the activity of the binding partner (PubMed:35662396). Promotes cytosolic retention and inactivation of TFEB transcription factor by binding to phosphorylated TFEB (PubMed:35662396). Induces ARHGEF7 activity on RAC1 as well as lamellipodia and membrane ruffle formation (PubMed:16959763). In neurons, regulates spine maturation through the

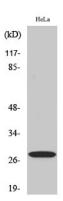
modulation of ARHGEF7 activity (By similarity).

**Cellular Location** Cytoplasm. Melanosome. Note=Located to stage I to stage IV melanosomes.

## **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.

## **Images**



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

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