

14-3-3 ζ Polyclonal Antibody

Catalog # AP68189

Product Information

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|-------------------|------------------------|
| Application | WB, IHC-P |
| Primary Accession | P63104 |
| Reactivity | Human, Mouse, Rat |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 27745 |

Additional Information

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|--------------------|---|
| 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

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|-------------------|--|
| 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 ζ
Polyclonal Antibody diluted at 1 : 1000

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