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YWHAZ / 14-3-3 Zeta Antibody (Internal)
Rabbit Polyclonal Antibody
Catalog # ALS11648

Specification

YWHAZ / 14-3-3 Zeta Antibody (Internal) - Product Information

Application	**IHC**
Primary Accession	P63104
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**28kDa KDa**

YWHAZ / 14-3-3 Zeta Antibody (Internal) - Additional Information

Gene ID 7534

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

Target/Specificity
Peptide from an internal region of human YWHAZ

Reconstitution & Storage
+4°C, avoid freezing

Precautions
YWHAZ / 14-3-3 Zeta Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

YWHAZ / 14-3-3 Zeta Antibody (Internal) - 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.

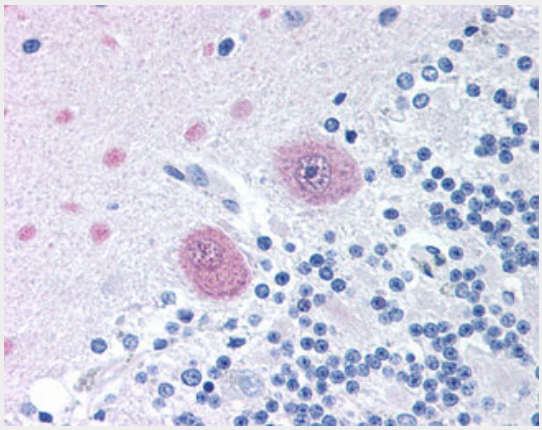
Volume
250 µl

YWHAZ / 14-3-3 Zeta Antibody (Internal) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

YWHAZ / 14-3-3 Zeta Antibody (Internal) - Images



Anti-YWHAZ / 14-3-3 Zeta Delta antibody IHC of human brain, cerebellum.

YWHAZ / 14-3-3 Zeta Antibody (Internal) - 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.

YWHAZ / 14-3-3 Zeta Antibody (Internal) - References

Zupan L.A.,et al.J. Biol. Chem. 267:8707-8710(1992).
Seluja G.A.,et al.Biochim. Biophys. Acta 1395:281-287(1998).
Ota T.,et al.Nat. Genet. 36:40-45(2004).

Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Gevaert K.,et al.Nat. Biotechnol. 21:566-569(2003).