

Product datasheet for **TA354166**

14-3-3 zeta (YWHAZ) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Recommended Dilution:	WB 0.1-1 µg/ml ELISA 0.01-0.1 µg/ml IP 2-5 µg/ml IHC 2-10 µg/ml FC 5-10 µg/ml
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthetic peptide corresponding to the internal sequence (134-149aa) of human zeta.
Formulation:	This affinity purified antibody is supplied in sterile Phosphate buffered saline (pH7.2) containing antibody stabilizer.
Purification:	The Rabbit IgG is purified by Epitope Affinity Purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	30 kDa
Gene Name:	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein zeta
Database Link:	NP_001129171 Entrez Gene 22631 Mouse Entrez Gene 25578 Rat Entrez Gene 7534 Human P63104
Background:	The 14-3-3 proteins are a family of small, widely expressed, highly conserved cytosolic proteins. 14-3-3 proteins bind to and influence the activities of a diverse group of molecules involved in signal transduction, cell cycle regulation and apoptosis, including Raf, PKC, Bad, Cbl, and c-Bcr. Interactions between 14-3-3 and target proteins are strongly influenced by the phosphorylation state of 14-3-3 and the target protein. 14.3.3 zeta protein is a ubiquitous and abundant in brain. 14.3.3 zeta binds primarily to Raf noncatalytic sequences without inhibiting the Ras-Raf association or Raf-catalyzed MEK phosphorylation, thus it might act as a sweeper of misfolded protein by facilitating the formation of aggregates (inclusion bodies). Hence, 14-3-3 zeta may be considered as an auxiliary therapeutic tool in the protein aggregation disorders.



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Synonyms: 14-3-3-zeta; HEL-S-3; HEL4; KCIP-1; YWHAD

Protein Pathways: Cell cycle, Neurotrophin signaling pathway, Oocyte meiosis, Pathogenic Escherichia coli infection