Recombinant Human YWHAZ 293 Cell Lysate

Cat. No. YWHAZ-229HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide (YWHAZ), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	YWHAZ tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide [Homo sapiens]
Official Symbol	YWHAZ
Synonyms	YWHAZ; tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide; tyrosine 3 monooxygenase/tryptophan 5 monooxygenase activation protein, delta polypeptide , YWHAD; 14-3-3 protein zeta/delta; 14 3 3 delta; 14 3 3 zeta; KCIP 1; 14-3-3 zeta; 14-3-3 delta; phospholipase A2; protein kinase C inhibitor protein 1; protein kinase C inhibitor protein-1; 14-3-3 protein/cytosolic phospholipase A2; tyrosine 3/tryptophan 5 -monooxygenase activation protein, zeta polypeptide; tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, delta polypeptide; YWHAD; KCIP-1; 14-3-3-zeta; MGC111427; MGC126532; MGC138156;
Gene ID	7534
mRNA Refseq	NM_001135699
Protein Refseq	NP_001129171
MIM	601288
UniProt ID	P63104
Chromosome	8q22.3

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Location	
Pathway	Adaptive Immune System, organism-specific biosystem; Alpha6-Beta4 Integrin Signaling Pathway, organism-specific biosystem; Calcium Regulation in the Cardiac Cell, organism-specific biosystem; Cell cycle, organism-specific biosystem; Cell cycle, conserved biosystem; Class I PI3K signaling events mediated by Akt, organism-specific biosystem; Cytokine Signaling in Immune system, organism-specific biosystem;

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