# Mouse 14-3-3 Protein zeta/delta (YWHAZ) ELISA Kit | YWHAZ elisa kit

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| CATALOG # | REACTIVITY |
|---|---|
| **AAA332018** | **Mouse** |

## PRODUCT SYNONYMS

14-3-3 Protein zeta/delta (YWHAZ); Mouse 14-3-3 Protein zeta/delta (YWHAZ) ELISA Kit; YWHAZ; 14-3-3-zeta; KCIP-1; MGC111427; MGC126532; MGC138156; 14-3-3 protein/cytosolic phospholipase A2; 14-3-3 zeta; OTTHUMP00000165851; OTTHUMP00000165858; phospholipase A2; protein kinase C inhibitor protein-; YWHAZ elisa kit

## PRODUCT SPECIFICATIONS

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| **Reactivity** | Mouse |
| **Specificity** | Mouse 14-3-3 protein zeta/delta (YWHAZ) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse YWHAZ. No significant cross-reactivity or interference between Mouse YWHAZ and analogues was observed. |
| **Sequence Length** | 245 |
| **Assay Type** | Sandwich ELISA (Quantitative) |
| **Samples** | Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids |
| **Detection Method** | Colorimetric |
| **Usage Notes** | * Do not mix components from different kit lots or use reagents beyond the kit expiration date.<br>* Allow all reagents to warm to room temperature for at least 30 minutes before opening.<br>* Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination.<br>* Unused wells must be kept desiccated at 4 degree C in the sealed bag provided.<br>* Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes.<br>* It is recommended that all samples and standards be assayed in duplicate or triplicate. |
| **Preparation and Storage** | Store at 2-8 degree C. |

## IMAGES

**Standard Curve (Sample)**
Fig.1. Mouse 14-3-3 protein zeta/delta (YWHAZ) Standard Curve.

## ADDITIONAL INFORMATION

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| **Related Product Information for YWHAZ elisa kit** | Description: This Mouse 14-3-3 protein zeta/delta (YWHAZ) ELISA Kit employs a two-site sandwich ELISA to quantitate YWHAZ in samples. An antibody specific for YWHAZ has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any YWHAZ present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for YWHAZ is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of YWHAZ bound in the initial step. The color development is stopped and the intensity of the color is measured.<br><br>Background: YWHAz belongs to the 14-3-3 family of proteins which mediate signal transduction by binding to phosphoserine-containing proteins. This highly conserved protein family is found in both plants and mammals, and this protein is 99% identical to the mouse, rat and sheep orthologs. The deduced 245-amino acid protein shares high sequence homology with other 14-3-3 subtypes. The zeta mRNA was widely expressed in various gray matter brain regions, including the neocortex, hippocampus, caudate-putamen, thalamus, cerebellar cortex, and several brain stem nuclei. A human protein with phospholipase A2 activity was shown to be the zeta subtype of the 14-3-3 protein |

## NCBI AND UNIPROT INFORMATION

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| **NCBI GI #** | 359385696 |
| **NCBI GeneID** | 22631 |
| **NCBI Accession #** | NP_001240734.1 |
| **NCBI GenBank Nucleotide #** | NP_001240734.1 |
| **UniProt Accession #** | P63101 |
| **NCBI Official Full Name** | 14-3-3 protein zeta/delta isoform 1 |
| **NCBI Official Synonym Full Names** | tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide |
| **NCBI Official Symbol** | Ywhaz |
| **NCBI Official Synonym Symbols** | AI596267; AL022924; AU020854; 14-3-3zeta; 1110013I11Rik |
| **NCBI Protein Information** | 14-3-3 protein zeta/delta |
| **UniProt Protein Name** | 14-3-3 protein zeta/delta |
| **UniProt Gene Name** | **Ywhaz** |
| **UniProt Synonym Gene Names** | KCIP-1 |
| **UniProt Entry Name** | 1433Z_MOUSE |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/mouse-elisa-kits/14-3-3-protein-zeta-delta-ywhaz/332018