

Rat 14-3-3 protein zeta/delta (YWHAZ) ELISA Kit | YWHAZ elisa kit

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CATALOG # AAA245656	REACTIVITY Rat
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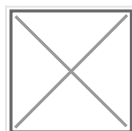
PRODUCT SYNONYMS

14-3-3 protein zeta/delta (YWHAZ); Rat 14-3-3 protein zeta/delta (YWHAZ) ELISA Kit; YWHAZ elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	25-500 ng/mL
Sensitivity	1.0ng/ml
Intended Uses	This YWHAZ ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat YWHAZ. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for YWHAZ elisa kit	Principle of the assay: YWHAZ ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-YWHAZ antibody and an YWHAZ-HRP conjugate. The assay sample and buffer are incubated together with YWHAZ-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the YWHAZ concentration since YWHAZ from samples and YWHAZ-HRP conjugate compete for the anti-YWHAZ antibody binding site. Since the number of sites is limited, as more sites are occupied by YWHAZ from the sample, fewer sites are left to bind YWHAZ-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The YWHAZ concentration in each sample is interpolated from this standard curve.
Product Categories/Family for YWHAZ elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507953
NCBI GeneID	7534

NCBI Accession #	NP_003397.1
NCBI GenBank Nucleotide #	NM_003406.3
Molecular Weight	19,333 Da
NCBI Official Full Name	14-3-3 protein zeta/delta
NCBI Official Synonym Full Names	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta
NCBI Official Symbol	YWHAZ
NCBI Official Synonym Symbols	HEL4; YWHAD; KCIP-1; HEL-S-3; 14-3-3-zeta
NCBI Protein Information	14-3-3 protein zeta/delta; 14-3-3 zeta; 14-3-3 delta; phospholipase A2; epididymis luminal protein 4; epididymis secretory protein Li 3; 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, zeta polypeptide; tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, delta polypeptide
UniProt Protein Name	14-3-3 protein zeta/delta
UniProt Gene Name	YWHAZ
UniProt Synonym Gene Names	KCIP-1
UniProt Entry Name	1433Z_HUMAN

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/rat-elisa-kits/14-3-3-protein-zeta-delta-ywhaz/245656>