

Rat 14-3-3 protein gamma (YWHAG) ELISA Kit | YWHAG elisa kit

Rat 14-3-3 protein gamma (YWHAG) ELISA Kit

CATALOG #
AAA244570

REACTIVITY
Rat

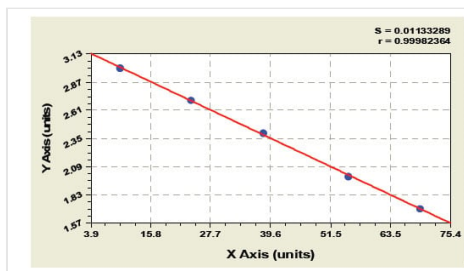
PRODUCT SYNONYMS

14-3-3 protein gamma (YWHAG); Rat 14-3-3 protein gamma (YWHAG) ELISA Kit; YWHAG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000ng/mL
Sensitivity	1.0ng/ml
Intended Uses	This YWHAG ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat YWHAG. 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 YWHAG elisa kit

Principle of the assay: YWHAG ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-YWHAG antibody and an YWHAG-HRP conjugate. The assay sample and buffer are incubated together with YWHAG-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 YWHAG concentration since YWHAG from samples and YWHAG-HRP conjugate compete for the anti-YWHAG antibody binding site. Since the number of sites is limited, as more sites are occupied by YWHAG from the sample, fewer sites are left to bind YWHAG-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The YWHAG concentration in each sample is interpolated from this standard curve.

Product Categories/Family for YWHAG elisa kit

[Signal Transduction](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	21464101
NCBI GeneID	7532
NCBI Accession #	NP_036611.2
NCBI GenBank Nucleotide #	NM_012479.3
Molecular Weight	28,303 Da
NCBI Official Full Name	14-3-3 protein gamma
NCBI Official Synonym Full Names	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, gamma
NCBI Official Symbol	YWHAG
NCBI Official Synonym Symbols	PPP1R170; 14-3-3GAMMA
NCBI Protein Information	14-3-3 protein gamma; KCIP-1; 14-3-3 gamma; protein kinase C inhibitor protein 1; protein phosphatase 1, regulatory subunit 170; tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, gamma polypeptide
UniProt Protein Name	14-3-3 protein gamma
UniProt Gene Name	YWHAG
UniProt Synonym Gene Names	KCIP-1
UniProt Entry Name	1433G_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/rat-elisa-kits/14-3-3-protein-gamma-ywhag/244570>