

Rat 14-3-3 Protein Theta (YWHAQ) ELISA Kit | YWHAQ elisa kit

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CATALOG # AAA330135	REACTIVITY Rat
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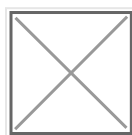
PRODUCT SYNONYMS

14-3-3 Protein Theta (YWHAQ); Rat 14-3-3 Protein Theta (YWHAQ) ELISA Kit; YWHAQ; 14-3-3; 1C5; HS1; 14-3-3 protein T-cell; 14-3-3 protein tau; 14-3-3 protein theta; OTTHUMP00000165887; protein tau; tyrosine 3/tryptophan 5-monooxygenase activation protein; theta polypeptide; YWHAQ elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Rat 14-3-3 protein theta (YWHAQ) ELISA Kit has high sensitivity and excellent specificity for detection of Rat YWHAQ. No significant cross-reactivity or interference between Rat YWHAQ 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. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * 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. Rat 14-3-3 protein theta (YWHAQ) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for YWHAQ elisa kit	Description: This Rat 14-3-3 protein theta (YWHAQ) ELISA Kit employs a two-site sandwich ELISA to quantitate YWHAQ in samples. An antibody specific for YWHAQ has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any YWHAQ present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for YWHAQ 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 YWHAQ bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: YWHAQ product 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 and rat orthologs. This gene is upregulated in patients with amyotrophic lateral sclerosis. It contains in its 5' UTR a 6 bp tandem repeat sequence which is polymorphic, however, there is no correlation between the repeat number and the disease.The deduced 245-amino acid protein has a calculated molecular mass of 28 kD and shares 72% amino acid identity with bovine brain 14-3-3-eta. Northern blot analysis of Jurkat and HeLa cells showed strong bands at 1.9 and 2.1 kb, and a weaker band at 1.7 kb.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	126723376
NCBI GeneID	100008930
NCBI Accession #	NP_001075637.1
NCBI GenBank Nucleotide #	NP_001075637.1
UniProt Accession #	Q6Q6X0
NCBI Official Full Name	14-3-3 protein theta
NCBI Official Symbol	YWHAQ
NCBI Protein Information	14-3-3 protein theta
UniProt Protein Name	14-3-3 protein theta
UniProt Gene Name	YWHAQ

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.