

Rat Tubby Protein Homolog (TUB) ELISA Kit | TUB elisa kit

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CATALOG #
AAA330162

REACTIVITY
Rat

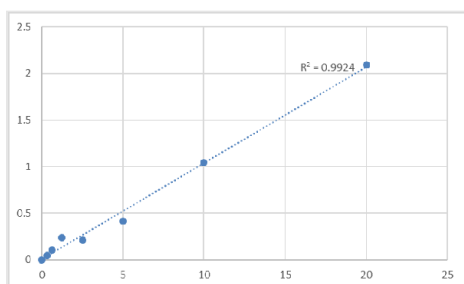
PRODUCT SYNONYMS

Tubby Protein Homolog (TUB); Rat Tubby Protein Homolog (TUB) ELISA Kit; TUB; rd5; tubby; tubby homologue; TUB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Rat Tubby protein homolog (TUB) ELISA Kit has high sensitivity and excellent specificity for detection of Rat TUB. No significant cross-reactivity or interference between Rat TUB and analogues was observed.
Sequence Length	505
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 Tubby protein homolog (TUB) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TUB elisa kit	Description: This Rat Tubby protein homolog (TUB) ELISA Kit employs a two-site sandwich ELISA to quantitate TUB in samples. An antibody specific for TUB has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TUB present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TUB 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 TUB bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Microtubules of the eukaryotic cytoskeleton perform essential and diverse functions and are composed of a heterodimer of alpha and beta tubulins. The genes encoding these microtubule constituents belong to the tubulin superfamily, which is composed of six distinct families. Genes from the alpha, beta and gamma tubulin families are found in all eukaryotes. The alpha and beta tubulins represent the major components of microtubules, while gamma tubulin plays a critical role in the nucleation of microtubule assembly. TUBa1A encodes alpha tubulin and is highly similar to mouse and rat Tuba1 gene. Northern blotting studies have shown that the gene expression is predominantly found in morphologically differentiated neurologic cells. This gene is one of three alpha-tubulin genes in a cluster on chromosome 12q.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6981686
NCBI GeneID	25609
NCBI Accession #	NP_037209.1
NCBI GenBank Nucleotide #	NP_037209.1
UniProt Accession #	O88808
NCBI Official Full Name	tubby protein homolog
NCBI Official Synonym Full Names	tubby bipartite transcription factor
NCBI Official Symbol	Tub
NCBI Protein Information	tubby protein homolog
UniProt Protein Name	Tubby protein homolog
UniProt Gene Name	Tub
UniProt Entry Name	TUB_RAT

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/tubby-protein-homolog-tub/330162>