

Rat Tubulin Alpha 4A (TUBa4A) ELISA Kit | TUBa4A elisa kit

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CATALOG #
AAA68744

REACTIVITY
Rat

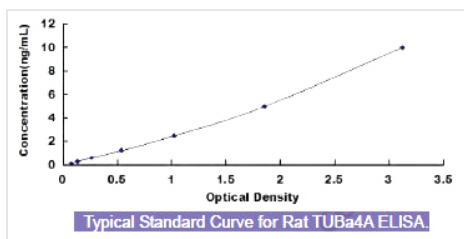
PRODUCT SYNONYMS

Tubulin Alpha 4A (TUBa4A); Rat Tubulin Alpha 4A (TUBa4A) ELISA Kit; TUBA1; Testis Specific Tubulin Alpha 1; Alpha-tubulin 1; Tubulin alpha-1 chain; Tubulin H2-alpha; TUBa4A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of TUBa4A. No significant cross-reactivity or interference between TUBa4A and analogues was observed.
Sequence Length	448
Samples	Tissue homogenates, cell lysates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	<0.069ng/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level TUBa4A were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level TUBa4A were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TUBa4A elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of TUBa4A in rat tissue homogenates, cell lysates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to TUBa4A. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to TUBa4A. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain TUBa4A, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of TUBa4A in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	55741524
NCBI GeneID	316531
NCBI Accession #	NP_001007005.1
NCBI GenBank Nucleotide #	NM_001007004.1
UniProt Accession #	Q5XIF6
Molecular Weight	49,924 Da
NCBI Official Full Name	tubulin alpha-4A chain
NCBI Official Synonym Full Names	tubulin, alpha 4A
NCBI Official Symbol	Tuba4a
NCBI Official Synonym Symbols	Tuba4
NCBI Protein Information	tubulin alpha-4A chain
UniProt Protein Name	Tubulin alpha-4A chain
UniProt Gene Name	Tuba4a
UniProt Synonym Gene Names	Tuba4

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.