

Human Tubulin beta-4 Chain (TUBB4) ELISA Kit | TUBB4 elisa kit

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CATALOG #
AAA330340

REACTIVITY
Human

PRODUCT SYNONYMS

Tubulin beta-4 Chain (TUBB4); Human Tubulin beta-4 Chain (TUBB4) ELISA Kit; TUBB4; TUBB5; beta-5; tubulin; beta; 5; TUBB4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Tubulin beta-4 chain (TUBB4) ELISA Kit has high sensitivity and excellent specificity for detection of Human TUBB4. No significant cross-reactivity or interference between Human TUBB4 and analogues was observed.
Sequence Length	495
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. Human Tubulin beta-4 chain (TUBB4) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TUBB4 elisa kit	Description: This Human Tubulin beta-4 chain (TUBB4) ELISA Kit employs a two-site sandwich ELISA to quantitate TUBB4 in samples. An antibody specific for TUBB4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TUBB4 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TUBB4 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 TUBB4 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: TUBB3 expression in several human cell lines, but not in a paclitaxel-resistant cell line. RNA interference revealed that HIF1A mediated hypoxia-induced TUBB3 expression. Chromatin immunoprecipitation analysis showed that HIF1A bound an HIF1A-binding site in the 5-prime flanking region of the TUBB3 gene. Methylation of an enhancer in the 3-prime flanking region abolished hypoxia-induced TUBB3 expression. Much lower Tubb3 levels were detected in all other adult mouse tissues examined except brain, where expression was even lower. Chromatin immunoprecipitation analysis showed that HIF1A bound an HIF1A-binding site in the 5-prime flanking region of the TUBB3 gene. Methylation of an enhancer in the 3-prime flanking region abolished hypoxia-induced TUBB3 expression.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	574584803
NCBI GeneID	10382
NCBI Accession #	NP_001276052.1
NCBI GenBank Nucleotide #	NP_001276052.1
UniProt Accession #	P04350
NCBI Official Full Name	tubulin beta-4A chain isoform 1
NCBI Official Synonym Full Names	tubulin beta 4A class IVa
NCBI Official Symbol	TUBB4A
NCBI Official Synonym Symbols	DYT4; TUBB4; beta-5
NCBI Protein Information	tubulin beta-4A chain
UniProt Protein Name	Tubulin beta-4A chain
UniProt Gene Name	TUBB4A
UniProt Synonym Gene Names	TUBB4; TUBB5
UniProt Entry Name	TBB4A_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.