

Human Ubiquitin-Protein Ligase E3A (UBE3A) ELISA Kit | UBE3A elisa kit

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CATALOG #
AAA330322

REACTIVITY
Human

PRODUCT SYNONYMS

Ubiquitin-Protein Ligase E3A (UBE3A); Human Ubiquitin-Protein Ligase E3A (UBE3A) ELISA Kit; UBE3A; ANCR; AS; E6-AP; EPVE6AP; FLJ26981; HPVE6A; CTCL tumor antigen se37-2; human papilloma virus E6-associated protein; oncogenic protein-associated protein E6-AP; UBE3A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Ubiquitin-protein ligase E3A (UBE3A) ELISA Kit has high sensitivity and excellent specificity for detection of Human UBE3A. No significant cross-reactivity or interference between Human UBE3A and analogues was observed.
Sequence Length	875
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 Ubiquitin-protein ligase E3A (UBE3A) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for UBE3A elisa kit	Description: This Human Ubiquitin-protein ligase E3A (UBE3A) ELISA Kit employs a two-site sandwich ELISA to quantitate UBE3A in samples. An antibody specific for UBE3A has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any UBE3A present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for UBE3A 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 UBE3A bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Ubiquitin-protein ligase E3A (UBE3A) is an enzyme that in humans is encoded by the UBE3A gene. This enzyme is involved in targeting proteins for degradation within cells. Protein degradation is a normal process that removes damaged or unnecessary proteins and helps maintain the normal functions of cells. Ubiquitin protein ligase 3A attaches a small protein called ubiquitin to proteins that should be degraded. Cellular structures called proteasomes recognize and digest proteins tagged with ubiquitin. Both copies of the UBE3A gene are active in most of the body's tissues. In the brain, however, only the copy inherited from a person's mother (the maternal copy) is normally active. The UBE3A gene is located on the long (q) arm of chromosome 15 between positions 11 and 13, from base pair 23,133,488 to base pair 23,235,220.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	19718766
NCBI GeneID	7337
NCBI Accession #	NP_000453.2
NCBI GenBank Nucleotide #	NP_000453.2
UniProt Accession #	Q05086
NCBI Official Full Name	ubiquitin-protein ligase E3A isoform 2
NCBI Official Synonym Full Names	ubiquitin protein ligase E3A
NCBI Official Symbol	UBE3A
NCBI Official Synonym Symbols	AS; ANCR; E6-AP; HPVE6A; EPVE6AP
NCBI Protein Information	ubiquitin-protein ligase E3A
UniProt Protein Name	Ubiquitin-protein ligase E3A
UniProt Gene Name	UBE3A
UniProt Synonym Gene Names	E6AP; EPVE6AP; HPVE6A
UniProt Entry Name	UBE3A_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.