

## Mouse Ubiquitin Protein Ligase E3A (UBE3A) ELISA Kit | UBE3A elisa kit

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CATALOG #  
**AAA189742**

REACTIVITY  
**Mouse**

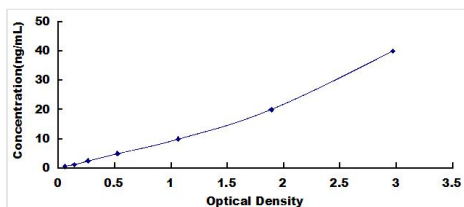
### PRODUCT SYNONYMS

Ubiquitin Protein Ligase E3A (UBE3A); Mouse Ubiquitin Protein Ligase E3A (UBE3A) ELISA Kit; ANCR; AS; E6-AP; EPVE6AP; HPVE6A; Papilloma Virus E6-Associated; Angelman Syndrome; Oncogenic protein-associated protein E6-AP; Renal carcinoma antigen NY-REN-54; UBE3A/Ubiquitin Protein Ligase E3A; UBE3A elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of UBE3A. No significant cross-reactivity or interference between UBE3A and analogues was observed.                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Assay Type              | Quantitative Sandwich                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Samples                 | Mouse tissue homogenates, cell lysates and other biological fluids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Detection Range         | 0.625-40ng/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Sensitivity             | < 0.277ng/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level UBE3A 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 UBE3A were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%                                                                                                                                                                                                                                                                                                                                                                                         |
| Preparation and Storage | Store at 4 degree C for 1 month/-20 degree C for long-term (within shelf life)<br>Shelf Life: 8 months<br>The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end. |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for UBE3A elisa kit | <p>Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to UBE3A. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to UBE3A. 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 UBE3A, 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 UBE3A in the samples is then determined by comparing the O.D. of the samples to the standard curve.</p> <p>Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of UBE3A in mouse tissue homogenates, cell lysates and other biological fluids.</p> |
| Product Categories/Family for UBE3A elisa kit   | Enzyme & Kinase; Developmental science                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                            |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 6647866                                                                                                                                    |
| NCBI GeneID                      | 22215                                                                                                                                      |
| UniProt Accession #              | O08759; P97482                                                                                                                             |
| Molecular Weight                 | 101,176 Da                                                                                                                                 |
| NCBI Official Full Name          | Ubiquitin-protein ligase E3A                                                                                                               |
| NCBI Official Synonym Full Names | ubiquitin protein ligase E3A                                                                                                               |
| NCBI Official Symbol             | Ube3a                                                                                                                                      |
| NCBI Official Synonym Symbols    | Hpve6a; mKIAA4216; 4732496B02; 5830462N02Rik; A130086L21Rik                                                                                |
| NCBI Protein Information         | ubiquitin-protein ligase E3A; E6-AP ubiquitin protein ligase; ubiquitin conjugating enzyme E3A; oncogenic protein-associated protein E6-AP |
| UniProt Protein Name             | Ubiquitin-protein ligase E3A                                                                                                               |
| UniProt Gene Name                | Ube3a                                                                                                                                      |
| UniProt Entry Name               | UBE3A_MOUSE                                                                                                                                |

**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://www.aaabiotech.com/mouse-elisa-kits/ubiquitin-protein-ligase-e3a-ube3a/189742>