Datasheet for ABIN5659734

# UBE2I ELISA Kit

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## Overview

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| Quantity: | 96 tests |
| Target: | UBE2I |
| Reactivity: | Human |
| Method Type: | Sandwich ELISA |
| Detection Range: | 0.156 ng/mL - 10 ng/mL |
| Minimum Detection Limit: | 0.156 ng/mL |
| Application: | ELISA |

## Product Details

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| Sample Type: | Cell Lysate, Tissue Homogenate |
| Analytical Method: | Quantitative |
| Detection Method: | Colorimetric |
| Specificity: | This assay has high sensitivity and excellent specificity for detection of Ubiquitin Conjugating Enzyme E2I (UBE2I). No significant cross-reactivity or interference between Ubiquitin Conjugating Enzyme E2I (UBE2I) and analogues was observed. |
| Sensitivity: | 0.058 ng/mL |

## Target Details

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| Target: | UBE2I |
| Alternative Name: | Ubiquitin Conjugating Enzyme E2I (UBE2I Products) |

## Target Details

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| Background: | Gene Name: Ubiquitin Conjugating Enzyme E2I<br>Gene Aliases: P18, UBC9, UBCE9, SUMO-protein ligase, Ubiquitin carrier protein 9, Ubiquitin carrier protein I, Ubiquitin-protein ligase I, SUMO-conjugating enzyme UBC9 |
| Gene ID: | 7329 |
| UniProt: | P63279 |
| Pathways: | Intracellular Steroid Hormone Receptor Signaling Pathway, Regulation of Intracellular Steroid Hormone Receptor Signaling, Ubiquitin Proteasome Pathway |

## Application Details

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| Comment: | 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. |
| Assay Time: | 3 h |
| Plate: | Pre-coated |
| Protocol: | The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Ubiquitin Conjugating Enzyme E2I (UBE2I). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Ubiquitin Conjugating Enzyme E2I (UBE2I). 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 Ubiquitin Conjugating Enzyme E2I (UBE2I), 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 Ubiquitin Conjugating Enzyme E2I (UBE2I) in the samples is then determined by comparing the O.D. of the samples to the standard curve. |
| Assay Precision: | Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Ubiquitin Conjugating Enzyme E2I (UBE2I) were tested 20 times on one plate, respectively<br>Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Ubiquitin Conjugating Enzyme E2I (UBE2I) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100<br>Intra-Assay: CV<10% |

## Application Details

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| | Inter-Assay: CV<12% |
| Restrictions: | For Research Use only |

## Handling

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| Handling Advice: | The Stop Solution is acidic. Do not allow to contact skin or eyes. Calibrators, controls and specimen samples should be assayed in duplicate. Once the procedure has been started, all steps should be completed without interruption. |
| Storage: | 4 °C,-20 °C |
| Storage Comment: | -20°C. Bring all reagents to room temperature before beginning test. The kit may be stored at 4°C for immediate use within two days upon arrival. Reseal any unused strips with desiccant pack. Minimize freeze/thaw cycles. |
| Expiry Date: | 4-8 months |

 