

Mouse SUMO-Conjugating Enzyme UBC9 (UBE2I) ELISA Kit | UBE2I elisa kit

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CATALOG #
AAA332056

REACTIVITY
Mouse

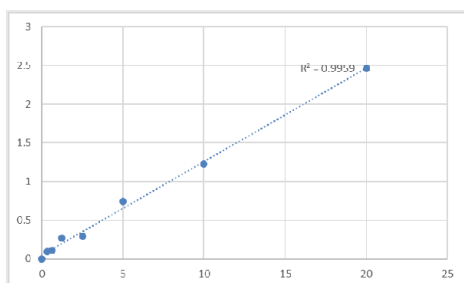
PRODUCT SYNONYMS

SUMO-Conjugating Enzyme UBC9 (UBE2I); Mouse SUMO-Conjugating Enzyme UBC9 (UBE2I) ELISA Kit; UBE2I; C358B7.1; P18; UBC9; OTTHUMP00000198126; OTTHUMP00000198127; SUMO-1-protein ligase; ubiquitin carrier protein; ubiquitin conjugating enzyme 9; ubiquitin-conjugating enzyme E2I; ubiquitin-conjugating enzym; UBE2I elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse SUMO-conjugating enzyme UBC9 (UBE2I) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse UBE2I. No significant cross-reactivity or interference between Mouse UBE2I and analogues was observed.
Sequence Length	158
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. Mouse SUMO-conjugating enzyme UBC9 (UBE2I) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for UBE2I elisa kit	Description: This Mouse SUMO-conjugating enzyme UBC9 (UBE2I) ELISA Kit employs a two-site sandwich ELISA to quantitate UBE2I in samples. An antibody specific for UBE2I has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any UBE2I present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for UBE2I 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 UBE2I bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation. Ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes, or E1s, ubiquitin-conjugating enzymes, or E2s, and ubiquitin-protein ligases, or E3s. UBE2I encodes a member of the E2 ubiquitin-conjugating enzyme family. Four alternatively spliced transcript variants encoding the same protein have been found for this gene. The protein has a predicted sequence of 158 amino acids and can support the growth of yeast <i>ubc9</i> temperature-sensitive mutants at non-permissive temperatures, indicating that their gene is a functional homolog of yeast <i>ubc9</i>.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	294862305
NCBI GeneID	22196
NCBI Accession #	NP_001171080.1
NCBI GenBank Nucleotide #	NP_001171080.1
UniProt Accession #	P63280
NCBI Official Full Name	SUMO-conjugating enzyme UBC9
NCBI Official Synonym Full Names	ubiquitin-conjugating enzyme E2I
NCBI Official Symbol	Ube2i
NCBI Official Synonym Symbols	UBC9; Ubce9; Ubce2i; 5830467E05Rik
NCBI Protein Information	SUMO-conjugating enzyme UBC9
UniProt Protein Name	SUMO-conjugating enzyme UBC9
UniProt Gene Name	Ube2i
UniProt Synonym Gene Names	Ubc9; Ubce2i; Ubce9; mUBC9
UniProt Entry Name	UBC9_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://stage.aaabiotech.com/mouse-elisa-kits/sumo-conjugating-enzyme-ubc9-ube2i/332056>