

Human SUMO conjugating enzyme UBC9 (UBE2I) ELISA Kit | UBE2I elisa kit

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CATALOG #
AAA247078

REACTIVITY
Human

PRODUCT SYNONYMS

SUMO conjugating enzyme UBC9 (UBE2I); Human SUMO conjugating enzyme UBC9 (UBE2I) ELISA Kit; UBE2I elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	100-2500pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This UBE2I ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human UBE2I. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for UBE2I elisa kit

Principle of the assay: UBE2I ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-UBE2I antibody and an UBE2I-HRP conjugate. The assay sample and buffer are incubated together with UBE2I-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the UBE2I concentration since UBE2I from samples and UBE2I-HRP conjugate compete for the anti-UBE2I antibody binding site. Since the number of sites is limited, as more sites are occupied by UBE2I from the sample, fewer sites are left to bind UBE2I-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The UBE2I concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	35494003
NCBI GeneID	7329
NCBI Accession #	NP_919237.1

NCBI GenBank Nucleotide #	NM_194261.2
Molecular Weight	18,007 Da
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	P18; UBC9; C358B7.1
NCBI Protein Information	SUMO-conjugating enzyme UBC9; SUMO-protein ligase; SUMO-1-protein ligase; ubiquitin-protein ligase I; ubiquitin carrier protein 9; ubiquitin carrier protein I; ubiquitin-protein ligase E2I; ubiquitin conjugating enzyme 9; ubiquitin-conjugating enzyme UbcE2A; ubiquitin-like protein SUMO-1 conjugating enzyme; ubiquitin-conjugating enzyme E2I (UBC9 homolog, yeast); ubiquitin-conjugating enzyme E2I (homologous to yeast UBC9)
UniProt Protein Name	SUMO-conjugating enzyme UBC9
UniProt Gene Name	UBE2I
UniProt Synonym Gene Names	UBC9; UBCE9
UniProt Entry Name	UBC9_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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/sumo-conjugating-enzyme-ubc9-ube2i/247078>