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Anti-UBE2E3 Antibody

Catalog # AP60207

Product Information

Application	WB, IF/IC
Primary Accession	Q969T4
Reactivity	Human, Mouse, Rat, Zebrafish, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	22913

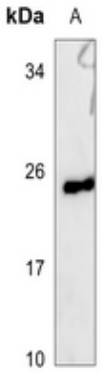
Additional Information

Gene ID	10477
Other Names	UBCE4; UBCH9; Ubiquitin-conjugating enzyme E2 E3; UbcH9; Ubiquitin carrier protein E3; Ubiquitin-conjugating enzyme E2-23 kDa; Ubiquitin-protein ligase E3
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human UBE2E3. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

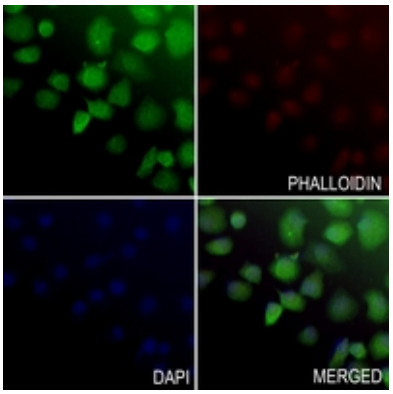
Protein Information

Name	UBE2E3 (HGNC:12479)
Synonyms	UBCE4, UBCH9
Function	Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. In vitro catalyzes 'Lys-11'- and 'Lys-48'-, as well as 'Lys-63'-linked polyubiquitination. Participates in the regulation of transepithelial sodium transport in renal cells.
Cellular Location	Nucleus. Cytoplasm. Note=Shuttles between the nucleus and cytoplasm in a IPO11-dependent manner
Tissue Location	Ubiquitously expressed at low levels. Highly expressed in skeletal muscle.

Images



Western blot analysis of UBE2E3 expression in rat muscle (A) whole cell lysates. (Predicted band size: 22 kD; Observed band size: 25 kD)



Immunofluorescent analysis of UBE2E3 staining in SGC7901 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).