

KD-Validated Anti-UBE2L3 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI1759

Product Information

Application	WB, FC, ICC
Primary Accession	P68036
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	24GB1875
Calculated MW	17862
Gene Name	UBE2L3
Aliases	UBE2L3; Ubiquitin Conjugating Enzyme E2 L3; UBCH7; Ubiquitin-Conjugating Enzyme E2 L3; E2 Ubiquitin-Conjugating Enzyme L3; Ubiquitin-Conjugating Enzyme E2-F1; Ubiquitin Carrier Protein L3; Ubiquitin-Protein Ligase L3; L-UBC; Ubiquitin-Conjugating Enzyme E2L 3; Ubiquitin Conjugating Enzyme E2L 3; Ubiquitin-Conjugating Enzyme UBCH7; EC 2.3.2.23; EC 6.3.2.19; E2-F1; UbcM4; UBCE7; Ubch7
Immunogen	A synthesized peptide derived from human UBE2L3

Additional Information

Gene ID	7332
Other Names	Ubiquitin-conjugating enzyme E2 L3, 2.3.2.23, E2 ubiquitin-conjugating enzyme L3, L-UBC, Ubch7, Ubiquitin carrier protein L3, Ubiquitin-conjugating enzyme E2-F1, Ubiquitin-protein ligase L3, UBE2L3, UBCE7, UBCH7

Protein Information

Name	UBE2L3
Synonyms	UBCE7, UBCH7
Function	Ubiquitin-conjugating enzyme E2 that specifically acts with HECT-type and RBR family E3 ubiquitin-protein ligases. Does not function with most RING-containing E3 ubiquitin-protein ligases because it lacks intrinsic E3-independent reactivity with lysine; in contrast, it has activity with the RBR family E3 enzymes, such as PRKN, RNF31 and ARIH1, that function like RING-HECT hybrids. Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. Mediates ubiquitination by the CUL9-RBX1 complex (PubMed: 38605244). In vitro catalyzes 'Lys-11'-linked polyubiquitination. Involved in the selective degradation of short-lived and abnormal proteins. Down-regulated during the S-phase it is involved in progression through the cell cycle. Regulates nuclear hormone receptors transcriptional activity. May play a role in myelopoiesis.

Cellular Location	Nucleus. Cytoplasm
Tissue Location	Ubiquitous, with highest expression in testis.

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