

## Rabbit Anti-UBE2D2/Biotin Conjugated antibody

SL8348R-Bio

<b>Product Name</b>	Anti-UBE2D2/Biotin
<b>Chinese Name</b>	生物素标记的 Ubiquitin 蛋白连接酶 D2 抗体
<b>Alias</b>	PUBC 1; PUBC1; UB2D2_HUMAN; UBC 4; UBC 4/5; UBC4; UBC4/5; UBC4/5 homolog yeast; UBCH 5B; UBCH5B; UBE2D2; Ubiquitin carrier protein; Ubiquitin carrier protein D2; Ubiquitin conjugating enzyme E2 17 kDa 2; Ubiquitin conjugating enzyme E2 D2; Ubiquitin conjugating enzyme E2D 2 (homologous to yeast UBC4/5); Ubiquitin conjugating enzyme E2D 2 (UBC4/5 homolog yeast); Ubiquitin conjugating enzyme E2D 2; Ubiquitin protein ligase D2; Ubiquitin-conjugating enzyme E2 D2; Ubiquitin-conjugating enzyme E2(17)KB 2; Ubiquitin-conjugating enzyme E2-17 kDa 2; Ubiquitin-protein ligase D2; E2(17)KB2.
<b>Research Area</b>	Cell biology Signal transduction Epigenetics
<b>Immunogen Species</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>React Species</b>	(predicted:Human,Mouse,Rat,Chicken,Cow,Horse,Rabbit,Sheep) ELISA=1:5000-10000
<b>Applications</b>	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight</b>	17kDa
<b>Form</b>	Lyophilized or Liquid
<b>Concentration</b>	1mg/ml
<b>immunogen</b>	KLH conjugated synthetic peptide derived from human UBE2D2
<b>Lsotype</b>	IgG
<b>Purification</b>	affinity purified by Protein A
<b>Storage Buffer</b>	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
<b>Storage</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks

at 2-4 °C.

**background:**

Ubiquitin is an abundant, highly conserved protein found in all eukaryotic cells either free or covalently attached to cellular proteins. The primary function of ubiquitin in mammalian systems is to clear abnormal, foreign, and improperly folded proteins by targeting them for proteasome degradation. UBE2D proteins, including UBE2D1 (ubiquitin-conjugating enzyme E2D1 or UBC5A), UBE2D2 (ubiquitin-conjugating enzyme E2D2 or UBC5B) and UBE2D3 (ubiquitin-conjugating enzyme E2D3 or UBC5C), are E2 ubiquitin-conjugating enzymes that catalyze the ubiquitination of I<sup>°</sup>Bå in a phosphorylation and SCFB-TRCP-dependent manner. Specifically, E1 first transfers a ubiquitin residue to the E2 component (a UBE2D protein), and the UBE2D protein then associates with an E3 ubiquitin-protein ligase, which immediately transfers that residue to a protein that is targeted for degradation.

**Function:**

Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. In vitro catalyzes 'Lys-48'-linked polyubiquitination. Mediates the selective degradation of short-lived and abnormal proteins. Functions in the E6/E6-AP-induced ubiquitination of p53/TP53. Mediates ubiquitination of PEX5 and autoubiquitination of STUB1 and TRAF6. Involved in the signal-induced conjugation and subsequent degradation of NFKBIA, FBXW2-mediated GCM1 ubiquitination and degradation, MDM2-dependent degradation of p53/TP53 and the activation of MAVS in the mitochondria by DDX58/RIG-I in response to viral infection. Essential for viral activation of IRF3.

**Product Detail**

**Subunit:**

Interacts with SCF (SKP1-CUL1-F-box protein) E3 ubiquitin ligase complex and with E3 ubiquitin-protein ligase PJA2 (By similarity). Interacts with PDZRN3 (By similarity). Interacts with CNOT4 (via RING domain).

**Similarity:**

Belongs to the ubiquitin-conjugating enzyme family.

**Database links:**

[Entrez Gene: 7322](#) Human

[Entrez Gene: 56550](#) Mouse

[Entrez Gene: 641452](#) Rat

[Omim: 602962](#) Human



[SwissProt: P62837](#) Human

[SwissProt: P62838](#) Mouse

[SwissProt: P62839](#) Rat

[Unigene: 108332](#) Human

[Unigene: 180052](#) Mouse

[Unigene: 7390](#) Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.