

---

**Product Name: UBE2D2 Rabbit Polyclonal Antibody****Catalog #: APRab19520**

For research use only.

**Summary**

<b>Description</b>	Rabbit polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,ELISA
<b>Reactivity</b>	Human,Mouse,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,ELISA 1:5000-1:20000
<b>Molecular Weight</b>	17kDa

**Antigen Information**

<b>Gene Name</b>	UBE2D2 UBE2D2; UBC4; UBC5B; UBCH4; UBCH5B; Ubiquitin-conjugating enzyme E2 D2; Ubiquitin carrier protein D2; Ubiquitin-conjugating enzyme E2(17)KB 2; Ubiquitin-conjugating enzyme E2-17 kDa 2; Ubiquitin-protein ligase D2
<b>Alternative Names</b>	
<b>Gene ID</b>	7322.0
<b>SwissProt ID</b>	P62837
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human UBE2D2. AA range:98-147

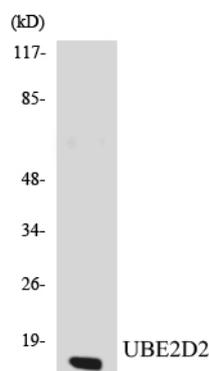
## Background

Regulated degradation of misfolded, damaged or short-lived proteins in eukaryotes occurs via the ubiquitin (Ub)-proteasome system (UPS). An integral part of the UPS system is the ubiquitination of target proteins and covalent linkage of Ub-containing proteins to form polymeric chains, marking them as targets for 26S proteasome-mediated degradation. Ubiquitination of proteins is mediated by a cascade of enzymes which includes E1 (ubiquitin activating), E2 (ubiquitin conjugating), and E3 (ubiquitin ligases) enzymes. This gene encodes a member of the E2 enzyme family. Substrates of this enzyme include the tumor suppressor protein p53 and peroxisomal biogenesis factor 5 (PEX5). Alternative splicing results in multiple transcript variants of this gene. [provided by RefSeq, May 2013],catalytic activity:ATP + ubiquitin + protein lysine = AMP + diphosphate + protein N-ubiquityllysine.,function:Catalyzes the covalent attachment of ubiquitin to other proteins. Mediates the selective degradation of short-lived and abnormal proteins. Functions in the E6/E6-AP-induced ubiquitination of p53/TP53.,pathway:Protein modification; protein ubiquitination.,similarity:Belongs to the ubiquitin-conjugating enzyme family.,subunit:Interacts with SCF (SKP1-CUL1-F-box protein) E3 ubiquitin ligase complex and with E3 ubiquitin-protein ligase PJA2.,

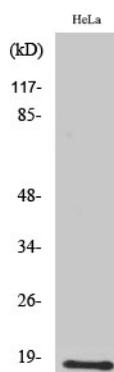
## Research Area

Ubiquitin mediated proteolysis;

## Image Data



Western blot analysis of the lysates from K562 cells using UBE2D2 antibody.



Western Blot analysis of various cells using UBE2D2 Polyclonal Antibody diluted at 1 : 2000. Secondary antibody was diluted at 1:20000