

# UBE2D2 Polyclonal Antibody

Catalog # AP72981

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">P62837</a>
<b>Reactivity</b>	Human, Mouse, Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	16735

## Additional Information

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<b>Gene ID</b>	7322
<b>Other Names</b>	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>Dilution</b>	WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications. E~~N/A
<b>Format</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
<b>Storage Conditions</b>	-20°C

## Protein Information

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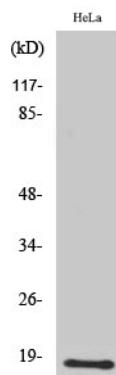
<b>Name</b>	UBE2D2
<b>Synonyms</b>	PUBC1, UBC4, UBC5B, UBCH4, UBCH5B
<b>Function</b>	Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins (PubMed: <a href="#">10329681</a> , PubMed: <a href="#">18042044</a> , PubMed: <a href="#">18703417</a> , PubMed: <a href="#">20061386</a> , PubMed: <a href="#">20403326</a> , PubMed: <a href="#">20525694</a> , PubMed: <a href="#">26475854</a> , PubMed: <a href="#">28322253</a> ). Catalyzes 'Lys-48'- linked polyubiquitination (PubMed: <a href="#">10329681</a> , PubMed: <a href="#">18042044</a> , PubMed: <a href="#">18359941</a> , PubMed: <a href="#">18703417</a> , PubMed: <a href="#">20061386</a> , PubMed: <a href="#">20403326</a> , PubMed: <a href="#">20525694</a> , PubMed: <a href="#">26475854</a> ). Mediates the selective degradation of short-lived and abnormal proteins (PubMed: <a href="#">10329681</a> , PubMed: <a href="#">18042044</a> , PubMed: <a href="#">18359941</a> , PubMed: <a href="#">18703417</a> , PubMed: <a href="#">20061386</a> , PubMed: <a href="#">20403326</a> , PubMed: <a href="#">20525694</a> , PubMed: <a href="#">26475854</a> ). Functions in the E6/E6-AP-induced ubiquitination of p53/TP53 (PubMed: <a href="#">15280377</a> ). Mediates ubiquitination of PEX5 and SQSTM1 and autoubiquitination of STUB1 and TRAF6 (PubMed: <a href="#">18359941</a> , PubMed: <a href="#">28322253</a> ). 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 RIGI in response to viral infection (PubMed:[18703417](#), PubMed:[20403326](#)). Essential for viral activation of IRF3 (PubMed:[19854139](#)).

## Background

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.

## Images



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.