

# UBE2L3 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AW5301

## Product Information

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<b>Application</b>	IHC-P, WB
<b>Primary Accession</b>	<a href="#">P68036</a>
<b>Other Accession</b>	<a href="#">P68037</a> , <a href="#">Q3MHP1</a> , <a href="#">NP_003338.1</a>
<b>Reactivity</b>	Mouse, Rat, Human
<b>Predicted</b>	Bovine
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	17862
<b>Isotype</b>	Rabbit IgG
<b>Antigen Source</b>	HUMAN

## Additional Information

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<b>Gene ID</b>	7332
<b>Antigen Region</b>	106-135
<b>Other Names</b>	UBE2L3; UBCE7; UBCH7; Ubiquitin-conjugating enzyme E2 L3; L-UBC; UbcH7; Ubiquitin carrier protein L3; Ubiquitin-conjugating enzyme E2-F1; Ubiquitin-protein ligase L3
<b>Dilution</b>	IHC-P~~1:100~500 WB~~1:1000
<b>Target/Specificity</b>	This UBE2L3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 106-135 amino acids from the C-terminal region of human UBE2L3.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	UBE2L3 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	UBE2L3
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## 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.

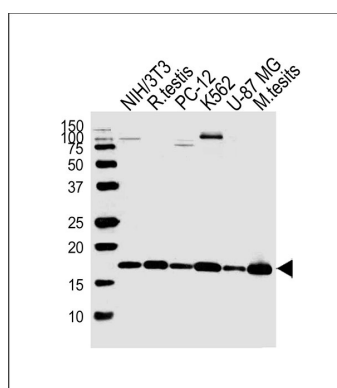
## Background

The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation. Ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes (E1s), ubiquitin-conjugating enzymes (E2s) and ubiquitin-protein ligases (E3s). This gene encodes a member of the E2 ubiquitin-conjugating enzyme family. This enzyme is demonstrated to participate in the ubiquitination of p53, c-Fos, and the NF- $\kappa$ B precursor p105 in vitro. Several alternatively spliced transcript variants have been found for this gene.

## References

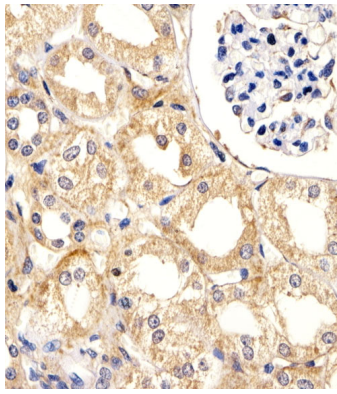
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Dubois, P.C., et al. Nat. Genet. 42(4):295-302(2010)  
Kamatani, Y., et al. Nat. Genet. 42(3):210-215(2010)  
Purbeck, C., et al. Biochemistry 49(7):1361-1363(2010)  
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## Images



Western blot analysis of lysates from mouse NIH/3T3 cell line, rat testis tissue, rat PC-12, K562, U-87 MG cell line, mouse testis tissue (from left to right), using UBE2L3 Antibody (C-term)(Cat. #AW5301). AW5301 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody.

Immunohistochemical analysis of paraffin-embedded H.kidney section using UBE2L3 Antibody (C-term)(Cat#AW5301). AW5301 was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody,



followed by DAB staining.

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