

**UBE2L3 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AW5301**

**Specification**

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**UBE2L3 Antibody (C-term) - Product Information**

Application	IHC-P, WB,E
Primary Accession	<a href="#">P68036</a>
Other Accession	<a href="#">P68037</a> , <a href="#">Q3MHP1</a> , <a href="#">NP_003338.1</a>
Reactivity	Human, Mouse, Rat
Predicted	Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	H=18,14;M=18 KDa
Isotype	Rabbit IgG
Antigen Source	HUMAN

**UBE2L3 Antibody (C-term) - Additional Information**

**Gene ID** 7332

**Antigen Region**  
106-135

**Other Names**  
UBE2L3; UBCE7; UBCH7; Ubiquitin-conjugating enzyme E2 L3; L-UBC; Ubch7; Ubiquitin carrier protein L3; Ubiquitin-conjugating enzyme E2-F1; Ubiquitin-protein ligase L3

**Dilution**  
IHC-P~~1:25  
WB~~1:1000

**Target/Specificity**  
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.

**Format**  
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.

**Storage**  
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.

**Precautions**  
UBE2L3 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**UBE2L3 Antibody (C-term) - 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:<a href="http://www.uniprot.org/citations/38605244" target="\_blank">38605244</a>). 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**

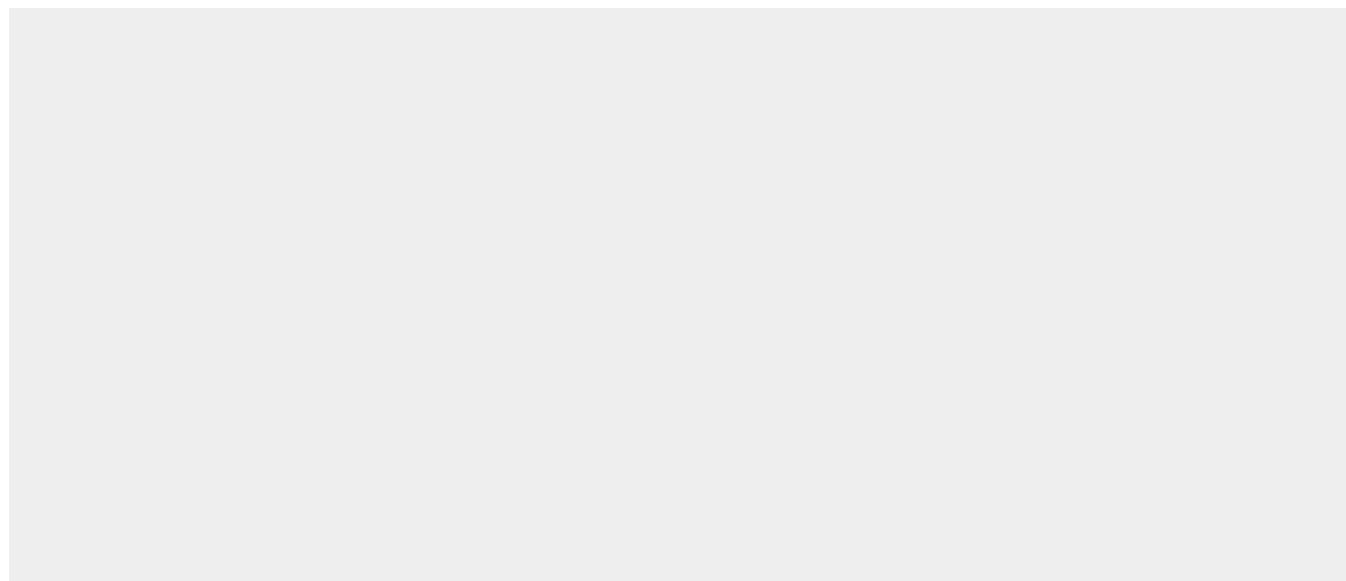
Ubiquitous, with highest expression in testis.

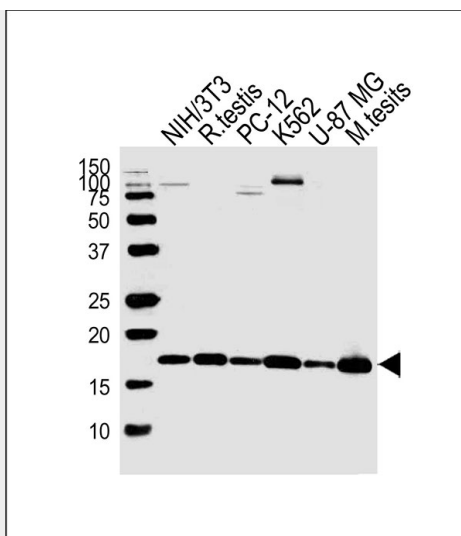
**UBE2L3 Antibody (C-term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

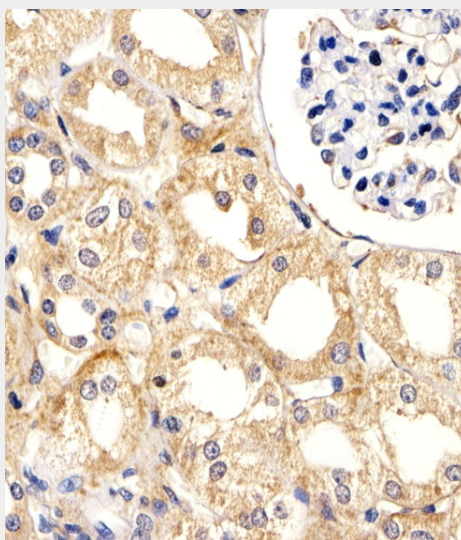
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**UBE2L3 Antibody (C-term) - 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.

#### UBE2L3 Antibody (C-term) - 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.

**UBE2L3 Antibody (C-term) - References**

Fransen, K., et al. Hum. Mol. Genet. 19(17):3482-3488(2010)  
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)  
Han, J.W., et al. Nat. Genet. 41(11):1234-1237(2009)