

**UBE2D2 Antibody (N-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AW5140**

**Specification**

---

**UBE2D2 Antibody (N-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">P62837</a>
Reactivity	Human, Rat
Predicted	Mouse
Host	Rabbit
Clonality	polyclonal
Calculated MW	H=17;M=17;Rat=17 KDa
Isotype	Rabbit IgG
Antigen Source	HUMAN

**UBE2D2 Antibody (N-term) - Additional Information**

**Gene ID** 7322

**Antigen Region**  
44-76

**Other Names**

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, p53-regulated ubiquitin-conjugating enzyme 1, UBE2D2, PUBC1, UBC4, UBC5B, UBCH4, UBCH5B

**Dilution**

WB~~1:2000

**Target/Specificity**

This UBE2D2 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 44-76 amino acids from the N-terminal region of human UBE2D2.

**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**

UBE2D2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**UBE2D2 Antibody (N-term) - Protein Information**

**Name** UBE2D2**Synonyms** PUBC1, UBC4, UBC5B, UBCH4, UBCH5B**Function**

Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins (PubMed:<a href="http://www.uniprot.org/citations/10329681" target="\_blank">10329681</a>, PubMed:<a href="http://www.uniprot.org/citations/18042044" target="\_blank">18042044</a>, PubMed:<a href="http://www.uniprot.org/citations/18703417" target="\_blank">18703417</a>, PubMed:<a href="http://www.uniprot.org/citations/20061386" target="\_blank">20061386</a>, PubMed:<a href="http://www.uniprot.org/citations/20403326" target="\_blank">20403326</a>, PubMed:<a href="http://www.uniprot.org/citations/20525694" target="\_blank">20525694</a>, PubMed:<a href="http://www.uniprot.org/citations/26475854" target="\_blank">26475854</a>, PubMed:<a href="http://www.uniprot.org/citations/28322253" target="\_blank">28322253</a>). Catalyzes 'Lys-48'- linked polyubiquitination (PubMed:<a href="http://www.uniprot.org/citations/10329681" target="\_blank">10329681</a>, PubMed:<a href="http://www.uniprot.org/citations/18042044" target="\_blank">18042044</a>, PubMed:<a href="http://www.uniprot.org/citations/18359941" target="\_blank">18359941</a>, PubMed:<a href="http://www.uniprot.org/citations/18703417" target="\_blank">18703417</a>, PubMed:<a href="http://www.uniprot.org/citations/20061386" target="\_blank">20061386</a>, PubMed:<a href="http://www.uniprot.org/citations/20403326" target="\_blank">20403326</a>, PubMed:<a href="http://www.uniprot.org/citations/20525694" target="\_blank">20525694</a>, PubMed:<a href="http://www.uniprot.org/citations/26475854" target="\_blank">26475854</a>). Mediates the selective degradation of short-lived and abnormal proteins (PubMed:<a href="http://www.uniprot.org/citations/10329681" target="\_blank">10329681</a>, PubMed:<a href="http://www.uniprot.org/citations/18042044" target="\_blank">18042044</a>, PubMed:<a href="http://www.uniprot.org/citations/18359941" target="\_blank">18359941</a>, PubMed:<a href="http://www.uniprot.org/citations/18703417" target="\_blank">18703417</a>, PubMed:<a href="http://www.uniprot.org/citations/20061386" target="\_blank">20061386</a>, PubMed:<a href="http://www.uniprot.org/citations/20403326" target="\_blank">20403326</a>, PubMed:<a href="http://www.uniprot.org/citations/20525694" target="\_blank">20525694</a>, PubMed:<a href="http://www.uniprot.org/citations/26475854" target="\_blank">26475854</a>). Functions in the E6/E6-AP-induced ubiquitination of p53/TP53 (PubMed:<a href="http://www.uniprot.org/citations/15280377" target="\_blank">15280377</a>). Mediates ubiquitination of PEX5 and SQSTM1 and autoubiquitination of STUB1 and TRAF6 (PubMed:<a href="http://www.uniprot.org/citations/18359941" target="\_blank">18359941</a>, PubMed:<a href="http://www.uniprot.org/citations/28322253" target="\_blank">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:<a href="http://www.uniprot.org/citations/18703417" target="\_blank">18703417</a>, PubMed:<a href="http://www.uniprot.org/citations/20403326" target="\_blank">20403326</a>). Essential for viral activation of IRF3 (PubMed:<a href="http://www.uniprot.org/citations/19854139" target="\_blank">19854139</a>).

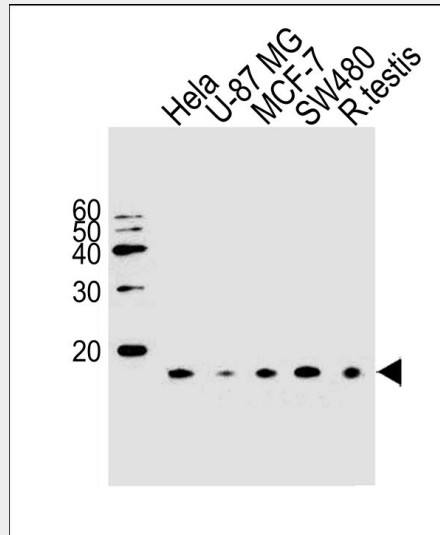
**UBE2D2 Antibody (N-term) - Protocols**

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

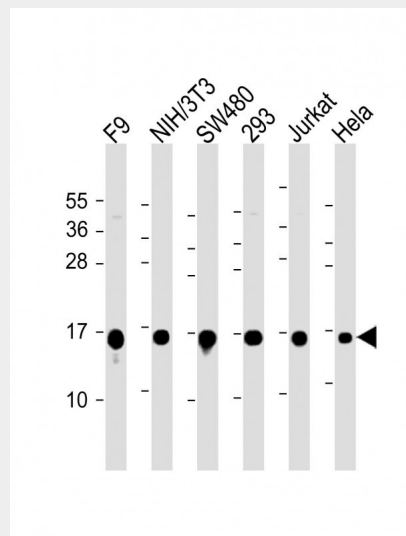
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)

- [Flow Cytometry](#)
- [Cell Culture](#)

### UBE2D2 Antibody (N-term) - Images



Western blot analysis of lysates from HeLa, U-87 MG, MCF-7, SW480 cell line and rat testis tissue (from left to right), using UBE2D2 Antibody (N-term) (Cat. #AW5140). AW5140 was diluted at 1:500 at each lane. A goat anti-rabbit IgG H&L (HRP) at 1:10000 dilution was used as the secondary antibody.



All lanes : Anti-UBE2D2 Antibody (N-term) at 1:2000 dilution Lane 1: F9 whole cell lysate Lane 2: NIH/3T3 whole cell lysate Lane 3: SW480 whole cell lysate Lane 4: 293 whole cell lysate Lane 5: Jurkat whole cell lysate Lane 6: HeLa whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 17 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

### UBE2D2 Antibody (N-term) - 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.

#### **UBE2D2 Antibody (N-term) - References**

Jensen J.P., et al. J. Biol. Chem. 270:30408-30414(1995).

Rolfe M., et al. Proc. Natl. Acad. Sci. U.S.A. 92:3264-3268(1995).

Guinn B.-A., et al. Biochem. Biophys. Res. Commun. 335:1293-1304(2005).

Yin Y., et al. Submitted (OCT-2000) to the EMBL/GenBank/DDBJ databases.

Ota T., et al. Nat. Genet. 36:40-45(2004).