

UBE2D2 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51598**Specification**

UBE2D2 Antibody - Product Information

Application	WB
Primary Accession	P62837
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	17 KDa
Antigen Region	81 - 140

UBE2D2 Antibody - Additional Information**Gene ID** 7322**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

Target/Specificity

KLH conjugated synthetic peptide derived from human UBE2D2

Dilution

WB~~ 1:1000

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

UBE2D2 Antibody - 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: [10329681](http://www.uniprot.org/citations/10329681)),
(PubMed: [18042044](http://www.uniprot.org/citations/18042044)),
(PubMed: [18703417](http://www.uniprot.org/citations/18703417)),
(PubMed: [20061386](http://www.uniprot.org/citations/20061386)),
(PubMed: [20403326](http://www.uniprot.org/citations/20403326)),

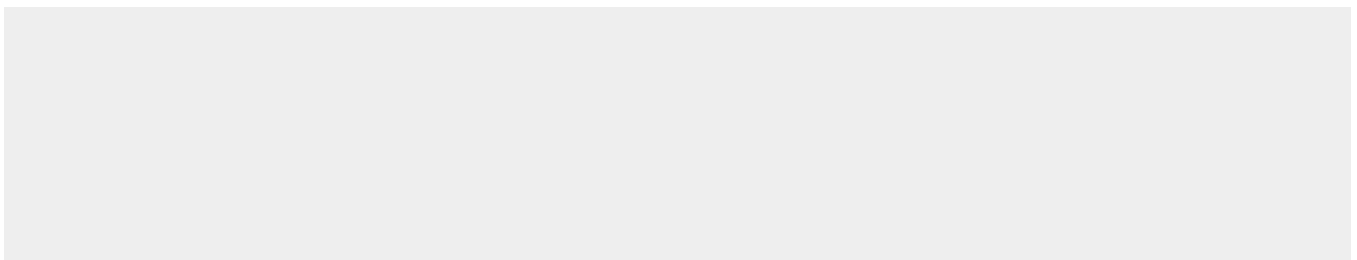
PubMed:20525694, PubMed:26475854, PubMed:28322253). Catalyzes 'Lys-48'- linked polyubiquitination (PubMed:10329681, PubMed:18042044, PubMed:18359941, PubMed:18703417, PubMed:20061386, PubMed:20403326, PubMed:20525694, PubMed:26475854). Mediates the selective degradation of short-lived and abnormal proteins (PubMed:10329681, PubMed:18042044, PubMed:18359941, PubMed:18703417, PubMed:20061386, PubMed:20403326, PubMed:20525694, PubMed:26475854). Functions in the E6/E6-AP-induced ubiquitination of p53/TP53 (PubMed:15280377). Mediates ubiquitination of PEX5 and SQSTM1 and autoubiquitination of STUB1 and TRAF6 (PubMed:18359941, PubMed:28322253). 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).

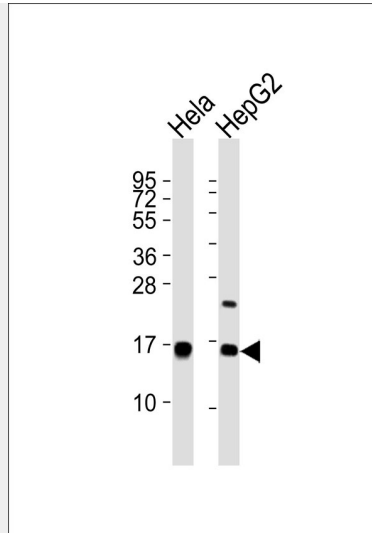
UBE2D2 Antibody - Protocols

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 - Images





All lanes : Anti-UBE2D2 Antibody at 1:1000 dilution Lane 1: HeLa whole cell lysates Lane 2: HepG2 whole cell lysates Lysates/proteins at 20 μ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 17 kDa Blocking/Dilution buffer: 5% NFD/MTBST.

UBE2D2 Antibody - 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 - 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).