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UBE2D2 Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51598

Product Information

Application	WB
Primary Accession	P62837
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	16735

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 encompassing a sequence within the C-term region of human UBE2D2. The exact sequence is proprietary.
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

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, PubMed:18042044, PubMed:18703417, PubMed:20061386, PubMed: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).

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.

References

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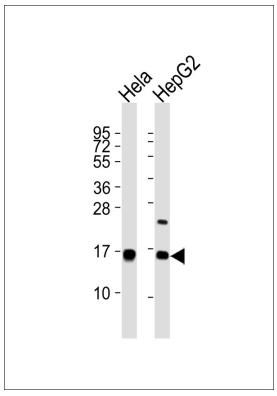
Guinn B.-A.,et al.Biochem. Biophys. Res. Commun. 335:1293-1304(2005).
Yin Y.,et al.Submitted (OCT-2000) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).

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 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.