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

Specification

UBE2D2 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	P62837
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~~1:500

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

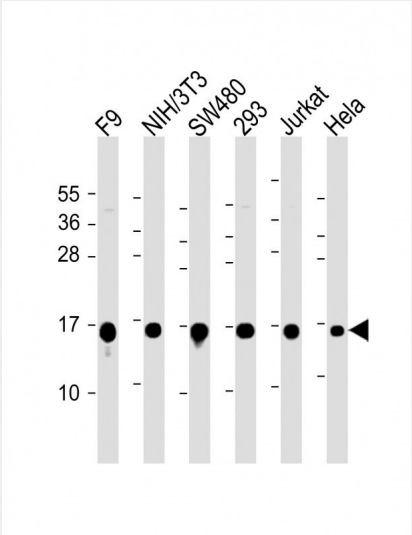
UBE2D2 Antibody (N-term) - Protocols

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

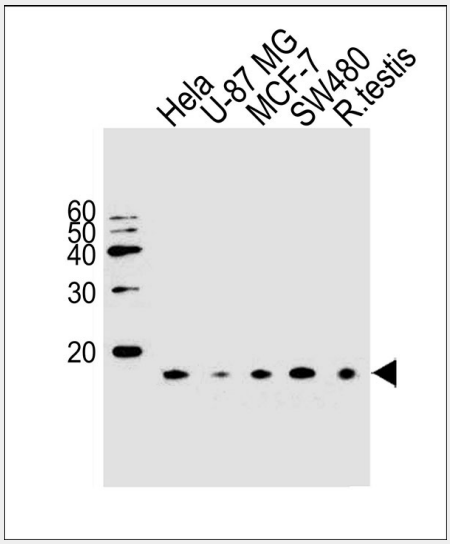
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

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UBE2D2 Antibody (N-term) - Images



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.



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.

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

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