

UBE2D2 / UBCH5B Antibody (clone 4A1)
Mouse Monoclonal Antibody
Catalog # ALS14167**Specification**

UBE2D2 / UBCH5B Antibody (clone 4A1) - Product Information

Application	WB, IHC
Primary Accession	P62837
Reactivity	Human, Mouse, Rat
Host	Mouse
Clonality	Monoclonal
Calculated MW	17kDa KDa

UBE2D2 / UBCH5B Antibody (clone 4A1) - Additional Information**Gene ID** 7322**Other Names**

Ubiquitin-conjugating enzyme E2 D2, 6.3.2.19, 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

Human UBE2D2

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

Precautions

UBE2D2 / UBCH5B Antibody (clone 4A1) is for research use only and not for use in diagnostic or therapeutic procedures.

UBE2D2 / UBCH5B Antibody (clone 4A1) - 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, PubMed:28322253).

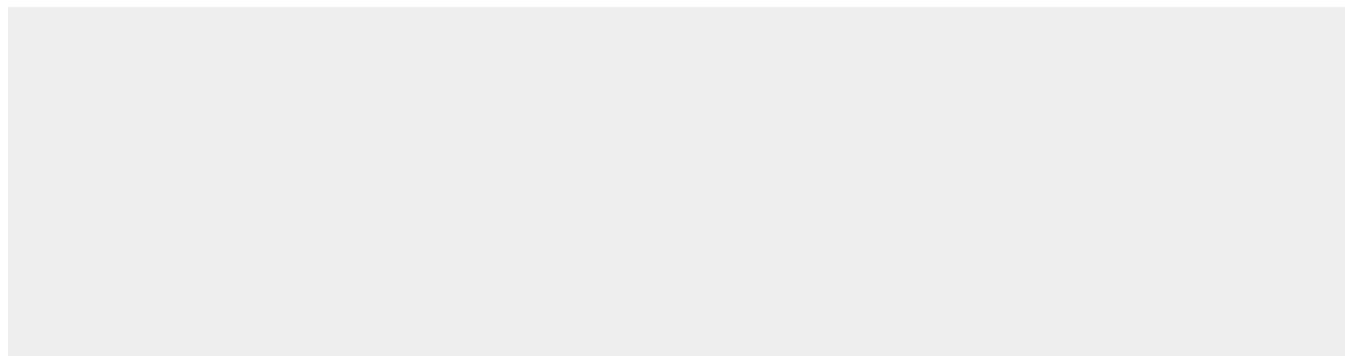
Catalyzes 'Lys-48'- linked polyubiquitination (PubMed:26475854, PubMed:10329681, PubMed:18042044, PubMed:18359941, PubMed:18703417, PubMed:20061386, PubMed:20403326, PubMed:20525694). Mediates the selective degradation of short-lived and abnormal proteins (PubMed:26475854, PubMed:10329681, PubMed:18042044, 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 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).

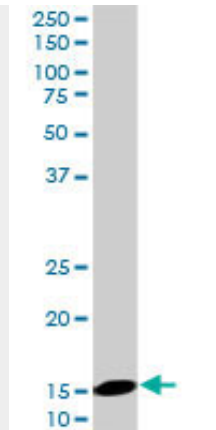
UBE2D2 / UBCH5B Antibody (clone 4A1) - Protocols

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

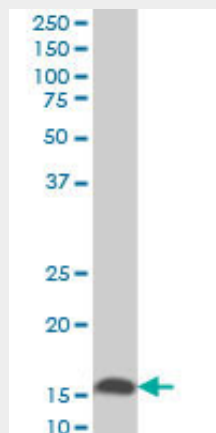
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

UBE2D2 / UBCH5B Antibody (clone 4A1) - Images

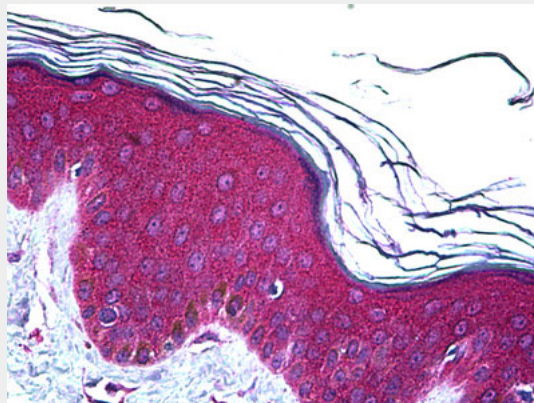




UBE2D2 monoclonal antibody clone 4A1. Western blot of UBE2D2 expression in PC-12.



UBE2D2 monoclonal antibody clone 4A1 Western blot of UBE2D2 expression in NIH/3T3.



Anti-UBE2D2 antibody IHC of human skin.

UBE2D2 / UBCH5B Antibody (clone 4A1) - 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 / UBCH5B Antibody (clone 4A1) - References

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Rolfe M.,et al.Proc. Natl. Acad. Sci. U.S.A. 92:3264-3268(1995).
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Ota T.,et al.Nat. Genet. 36:40-45(2004).