

**UBE2B Antibody**  
Rabbit mAb  
Catalog # AP92673**Specification**

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**UBE2B Antibody - Product Information**

Application	WB, IHC, ICC
Primary Accession	<a href="#">P63146</a>
Clonality	Monoclonal
<b>Other Names</b>	
hHR6B; HR6B; RAD6B; UBC2; UBE2B;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	17312 Da

**UBE2B Antibody - Additional Information**

Purification	<b>Affinity-chromatography</b>
Immunogen	<b>A synthesized peptide derived from UBE2B</b>
Description	<b>Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. In association with the E3 enzyme BRE1 (RNF20 and/or RNF40), it plays a role in transcription regulation by catalyzing the monoubiquitination of histone H2B at 'Lys-120' to form H2BK120ub1.</b>
Storage Condition and Buffer	<b>Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.</b>

**UBE2B Antibody - Protein Information**Name UBE2B ([HGNC:12473](#))**Function**

E2 ubiquitin-conjugating enzyme that accepts ubiquitin from the ubiquitin-activating enzyme E1 and transfers it to a E3 ubiquitin- protein ligase (PubMed:<a href="http://www.uniprot.org/citations/16337599" target="\_blank">16337599</a>, PubMed:<a href="http://www.uniprot.org/citations/17108083" target="\_blank">17108083</a>, PubMed:<a href="http://www.uniprot.org/citations/17130289" target="\_blank">17130289</a>, PubMed:<a href="http://www.uniprot.org/citations/1717990" target="\_blank">1717990</a>, PubMed:<a href="http://www.uniprot.org/citations/20061386" target="\_blank">20061386</a>). In vitro catalyzes 'Lys-11'-, as well as 'Lys-48'- and 'Lys-63'-linked polyubiquitination (PubMed:<a href="http://www.uniprot.org/citations/20061386" target="\_blank">20061386</a>). Together with the E3 enzyme BRE1 (RNF20 and/or RNF40), plays a role in transcription regulation by

catalyzing the monoubiquitination of histone H2B at 'Lys-120' to form H2BK120ub1 (PubMed:<a href="http://www.uniprot.org/citations/16337599" target="\_blank">16337599</a>). H2BK120ub1 gives a specific tag for epigenetic transcriptional activation, elongation by RNA polymerase II, telomeric silencing, and is also a prerequisite for H3K4me and H3K79me formation (PubMed:<a href="http://www.uniprot.org/citations/16337599" target="\_blank">16337599</a>). May play a role in DNA repair (PubMed:<a href="http://www.uniprot.org/citations/8062904" target="\_blank">8062904</a>). Associates to the E3 ligase RAD18 to form the UBE2B-RAD18 ubiquitin ligase complex involved in mono-ubiquitination of DNA-associated PCNA on 'Lys-164' (PubMed:<a href="http://www.uniprot.org/citations/17108083" target="\_blank">17108083</a>, PubMed:<a href="http://www.uniprot.org/citations/17130289" target="\_blank">17130289</a>). In association with the E3 enzyme UBR4, is involved in N-end rule-dependent protein degradation (PubMed:<a href="http://www.uniprot.org/citations/38182926" target="\_blank">38182926</a>). May be involved in neurite outgrowth (By similarity).

### Cellular Location

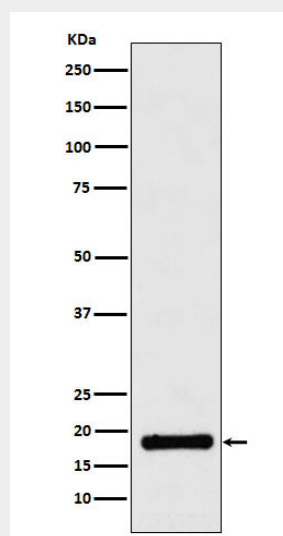
Cell membrane {ECO:0000250|UniProtKB:P63149}. Nucleus {ECO:0000250|UniProtKB:P63149}. Note=In peripheral neurons, expressed both at the plasma membrane and in nuclei {ECO:0000250|UniProtKB:P63149}

### UBE2B 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](#)

### UBE2B Antibody - Images



Western blot analysis of UBE2B expression in Jurkat cell lysate.