

KD-Validated Anti-UBE2L3 Rabbit Monoclonal Antibody
Rabbit monoclonal antibody
Catalog # AGI1759**Specification****KD-Validated Anti-UBE2L3 Rabbit Monoclonal Antibody - Product Information**

Application	WB, FC, ICC
Primary Accession	P68036
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Calculated MW	Predicted, 18 kDa , observed , 17 kDa KDa
Gene Name	UBE2L3
Aliases	UBE2L3; Ubiquitin Conjugating Enzyme E2 L3; UBCH7; Ubiquitin-Conjugating Enzyme E2 L3; E2 Ubiquitin-Conjugating Enzyme L3; Ubiquitin-Conjugating Enzyme E2-F1; Ubiquitin Carrier Protein L3; Ubiquitin-Protein Ligase L3; L-UBC; Ubiquitin-Conjugating Enzyme E2L 3; Ubiquitin Conjugating Enzyme E2L 3; Ubiquitin-Conjugating Enzyme UBCH7; EC 2.3.2.23; EC 6.3.2.19; E2-F1; UbcM4; UBCE7; Ubch7
Immunogen	A synthesized peptide derived from human UBE2L3

KD-Validated Anti-UBE2L3 Rabbit Monoclonal Antibody - Additional Information

Gene ID	7332
Other Names	Ubiquitin-conjugating enzyme E2 L3, 2.3.2.23, E2 ubiquitin-conjugating enzyme L3, L-UBC, Ubch7, Ubiquitin carrier protein L3, Ubiquitin-conjugating enzyme E2-F1, Ubiquitin-protein ligase L3, UBE2L3, UBCE7, UBCH7

KD-Validated Anti-UBE2L3 Rabbit Monoclonal Antibody - Protein Information**Name** UBE2L3**Synonyms** UBCE7, UBCH7**Function**

Ubiquitin-conjugating enzyme E2 that specifically acts with HECT-type and RBR family E3 ubiquitin-protein ligases. Does not function with most RING-containing E3 ubiquitin-protein ligases because it lacks intrinsic E3-independent reactivity with lysine; in contrast, it has activity with the RBR family E3 enzymes, such as PRKN, RNF31 and ARIH1, that function like RING-HECT hybrids. Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. Mediates ubiquitination by the CUL9-RBX1 complex (PubMed:38605244). In vitro catalyzes 'Lys-11'-linked polyubiquitination. Involved in the selective degradation of short-lived and abnormal proteins. Down-regulated during the S-phase it is involved in progression through the cell cycle. Regulates nuclear hormone receptors transcriptional activity. May play a role in myelopoiesis.

Cellular Location

Nucleus. Cytoplasm

Tissue Location

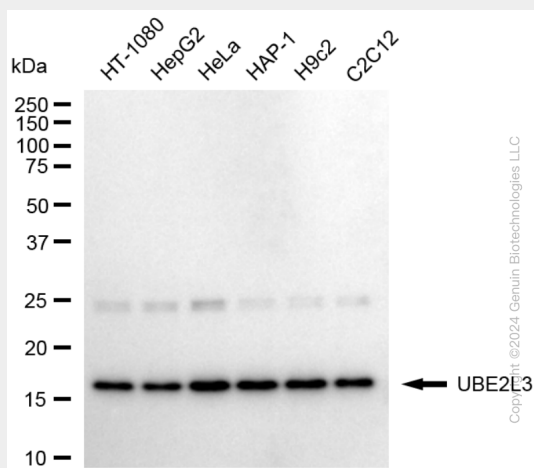
Ubiquitous, with highest expression in testis.

KD-Validated Anti-UBE2L3 Rabbit Monoclonal Antibody - Protocols

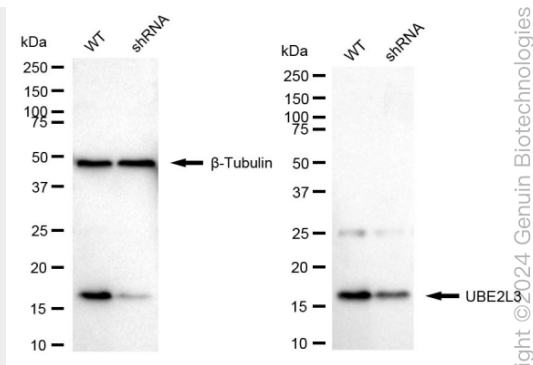
Provided below are standard protocols that you may find useful for product applications.

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

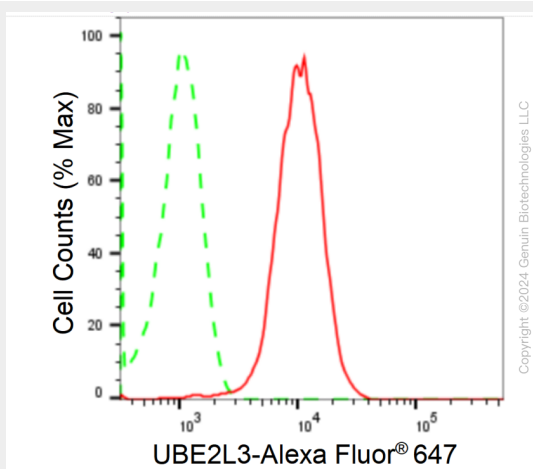
KD-Validated Anti-UBE2L3 Rabbit Monoclonal Antibody - Images



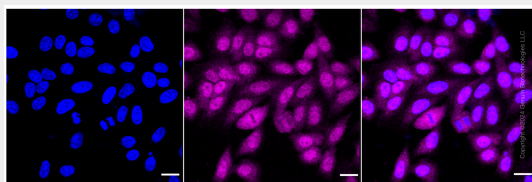
Western blotting analysis using anti-UBE2L3 antibody (Cat#AGI1759). Total cell lysates (5 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-UBE2L3 antibody (Cat#AGI1759, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-UBE2L3 antibody (Cat#AGI1759). UBE2L3 expression in wild-type (WT) and UBE2L3 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-UBE2L3 antibody (Cat#AGI1759, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of UBE2L3 expression in HepG2 cells using anti-UBE2L3 antibody (Cat#AGI1759, 1:2,000). Green, isotype control; red, UBE2L3.



Immunocytochemical staining of HepG2 cells with anti-UBE2L3 antibody (Cat#AGI1759, 1:1,000). Nuclei were stained blue with DAPI; UBE2L3 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 µm.