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# UBE2L6 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP2118B

## Product Information

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|---|---|
| **Application** | IHC-P, WB, E |
| **Primary Accession** | O14933 |
| **Reactivity** | Human |
| **Predicted** | Mouse, Rat, Bovine, Rabbit |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Calculated MW** | 17769 |
| **Antigen Region** | 123-153 |

## Additional Information

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| **Gene ID** | 9246 |
| **Other Names** | Ubiquitin/ISG15-conjugating enzyme E2 L6, Retinoic acid-induced gene B protein, RIG-B, UbcH8, Ubiquitin carrier protein L6, Ubiquitin-protein ligase L6, UBE2L6, UBCH8 |
| **Target/Specificity** | This UBE2L6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 123-153 amino acids from the C-terminal region of human UBE2L6. |
| **Dilution** | IHC-P~~1:100~500 WB~~1:1000 E~~Use at an assay dependent concentration. |
| **Format** | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS. |
| **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** | UBE2L6 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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| **Name** | UBE2L6 |
| **Synonyms** | UBCH8 |
| **Function** | Catalyzes the covalent attachment of ubiquitin or ISG15 to other proteins |

(PubMed:15131269, PubMed:16428300). Functions in the E6/E6-AP-induced ubiquitination of p53/TP53 (PubMed:16427630). Promotes ubiquitination and subsequent proteasomal degradation of FLT3 (PubMed:20508617).

**Tissue Location** Present in natural killer cells (at protein level).

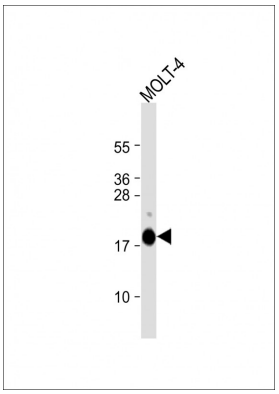
## Background

The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation. Ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes (E1s), ubiquitin-conjugating enzymes (E2s) and ubiquitin-protein ligases (E3s). UBE2L6 is a member of the E2 ubiquitin-conjugating enzyme family. This enzyme is demonstrated to function in the E6/E6-ap-induced ubiquitination of p53.

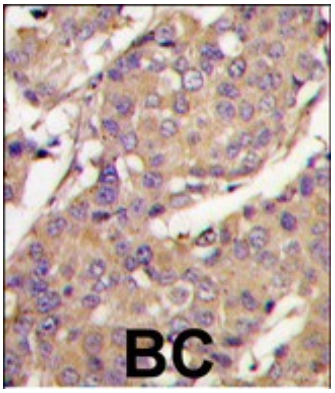
## References

Kumar, S., et al., J. Biol. Chem. 272(21):13548-13554 (1997). Ardley, H.C., et al., Cytogenet. Cell Genet. 89 (1-2), 137-140 (2000).

## Images




Anti-UBE2L6 Antibody (K136) at 1:1000 dilution + MOLT-4 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 : 18 kDa Blocking/Dilution buffer: 5% NFDM/TBST.




Formalin-fixed and paraffin-embedded breast carcinoma tissue reacted with UBE2L6 Antibody (C-term)(Cat.#AP2118b), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

## Citations

- STAT1 N-terminal domain discriminatively controls type I and type II IFN signaling
- Differential regulation of PML-RAR □± stability by the ubiquitin ligases SIAH1/SIAH2 and TRIAD1.
- Mechanism for ubiquitylation of the leukemia fusion proteins AML1-ETO and PML-RARalpha.
- Influenza B virus non-structural protein 1 counteracts ISG15 antiviral activity by sequestering ISGylated viral proteins.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.