

UBE2L6 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP2118B

Product Information

| Application | IHC-P, WB, E |
|-------------------|---------------|
| Primary Accession | <u>014933</u> |
| Reactivity | Human |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | Rabbit IgG |
| Calculated MW | 17769 |
| Antigen Region | 123-153 |
| | |

Additional Information

| 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

| Name | UBE2L6 |
|----------|--|
| Synonyms | UBCH8 |
| Function | Catalyzes the covalent attachment of ubiquitin or ISG15 to other proteins. Functions in the E6/E6-AP-induced ubiquitination of p53/TP53. Promotes |

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_
- Influenza B virus non-structural protein 1 counteracts ISG15 antiviral activity by sequestering ISGylated viral proteins.
- Differential regulation of PML-RAR It stability by the ubiquitin ligases SIAH1/SIAH2 and TRIAD1.
- Mechanism for ubiquitylation of the leukemia fusion proteins AML1-ETO and PML-RARalpha.

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