10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

UBE2L6 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP2118B

Product Information

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

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

(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).

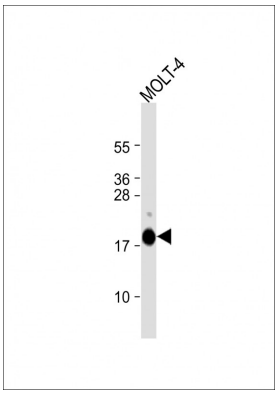
Background

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.

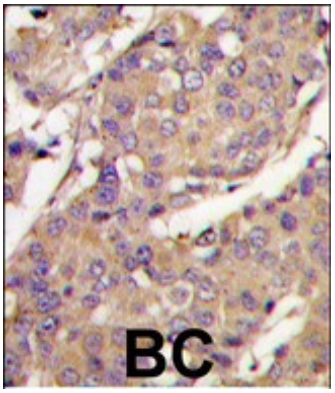
References

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'.