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UBE2L3 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5301

Product Information

Application	IHC-P, WB
Primary Accession	P68036
Other Accession	P68037, Q3MHP1, NP_003338.1
Reactivity	Mouse, Rat, Human
Predicted	Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	17862
Isotype	Rabbit IgG
Antigen Source	HUMAN

Additional Information

Gene ID	7332
Antigen Region	106-135
Other Names	UBE2L3; UBCE7; UBCH7; Ubiquitin-conjugating enzyme E2 L3; L-UBC; UbcH7; Ubiquitin carrier protein L3; Ubiquitin-conjugating enzyme E2-F1; Ubiquitin-protein ligase L3
Dilution	IHC-P~~1:100~500 WB~~1:1000
Target/Specificity	This UBE2L3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 106-135 amino acids from the C-terminal region of human UBE2L3.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
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	UBE2L3 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

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.

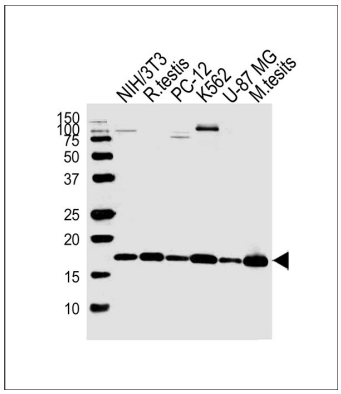
Background

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). This gene encodes a member of the E2 ubiquitin-conjugating enzyme family. This enzyme is demonstrated to participate in the ubiquitination of p53, c-Fos, and the NF-kB precursor p105 in vitro. Several alternatively spliced transcript variants have been found for this gene.

References

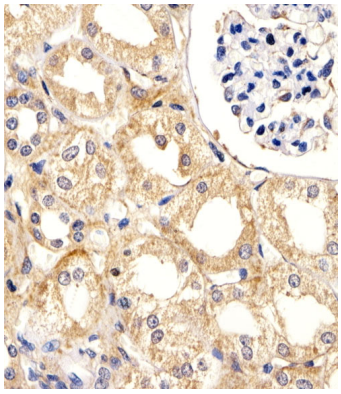
Fransen, K., et al. Hum. Mol. Genet. 19(17):3482-3488(2010)
Dubois, P.C., et al. Nat. Genet. 42(4):295-302(2010)
Kamatani, Y., et al. Nat. Genet. 42(3):210-215(2010)
Purbeck, C., et al. Biochemistry 49(7):1361-1363(2010)
Han, J.W., et al. Nat. Genet. 41(11):1234-1237(2009)

Images



Western blot analysis of lysates from mouse NIH/3T3 cell line,rat testis tissue,rat PC-12,K562,U-87 MG cell line,mouse tesits tissue (from left to right), using UBE2L3 Antibody (C-term)(Cat. #AW5301). AW5301 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody.

Immunohistochemical analysis of paraffin-embedded H.kidney section using UBE2L3 Antibody (C-term)(Cat#AW5301). AW5301 was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody,



followed by DAB staining.