ARG55835
anti-UBE2L3 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes UBE2L3
Tested Reactivity	Hu, Ms, Rat
Predict Reactivity	Bov
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	UBE2L3
Species	Human
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 123-153 (C-terminus) of Human UBE2L3.
Conjugation	Un-conjugated
Alternate Names	UbcM4; Ubiquitin-protein ligase L3; Ubiquitin-conjugating enzyme E2-F1; Ubiquitin carrier protein L3; E2-F1; EC 6.3.2.19; UBCH7; UbcH7; Ubiquitin-conjugating enzyme E2 L3; L-UBC

Application Instructions

Application table

Application	Dilution
IHC-P	1:50 - 1:100
WB	1:1000

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	U87-MG

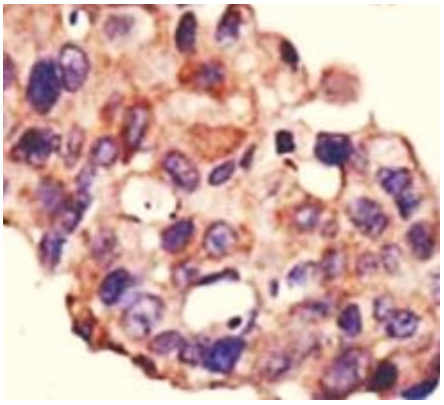
Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS and 0.09% (W/V) Sodium azide
Preservative	0.09% (W/V) Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

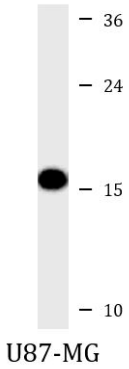
Database links	GeneID: 22195 Mouse GeneID: 7332 Human Swiss-port # P68036 Human Swiss-port # P68037 Mouse
Gene Symbol	UBE2L3
Gene Full Name	ubiquitin-conjugating enzyme E2L 3
Background	The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived 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. [provided by RefSeq, Sep 2009]
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 PARK2 and ARIH1, that function like function like RING-HECT hybrids. Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. 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. [UniProt]
Calculated Mw	18 kDa
PTM	Ubiquitinated. The alteration of UBE2L3 protein levels during the S-phase of the cell cycle is due to ubiquitin-dependent proteasomal degradation.
Cellular Localization	Nucleus. Cytoplasm.

Images



ARG55835 anti-UBE2L3 antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human breast carcinoma tissue stained with ARG55835 anti-UBE2L3 antibody.



ARG55835 anti-UBE2L3 antibody WB image

Western blot: 35 µg of U87-MG cell lysate stained with ARG55835 anti-UBE2L3 antibody.