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Datasheet for ABIN1387890 anti-UBE2D3 antibody (AA 55-147)



Overview

Quantity:	100 μL
Target:	UBE2D3
Binding Specificity:	AA 55-147
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This UBE2D3 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human UBE2D3
lsotype:	lgG
Cross-Reactivity:	Mouse
Predicted Reactivity:	Human,Rat,Cow,Pig,Horse,Chicken,Rabbit,Zebrafish
Purification:	Purified by Protein A.
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Target Details	

Target:

UBE2D3

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Target Details		
Alternative Name:	UBE2D3 (UBE2D3 Products)	
Background:	Synonyms: E217KB3, MGC43926, MGC5416, UB2D3_HUMAN, UBC 4/5, UBC4/5, UBC4/5	
	homolog yeast, UBCH 5C, UBCH5C, Ube2d3, Ubiquitin carrier protein, Ubiquitin carrier protein	
	D3, Ubiquitin conjugating enzyme E2 17 kDa 3, Ubiquitin conjugating enzyme E2 D3, Ubiquitin	
	conjugating enzyme E2D 3 homologous to yeast UBC4/5, Ubiquitin conjugating enzyme E2D 3	
	UBC4/5 homolog yeast, Ubiquitin conjugating enzyme E2D 3, Ubiquitin protein ligase D3,	
	Ubiquitin-conjugating enzyme E2 D3, Ubiquitin-conjugating enzyme E217KB 3, Ubiquitin-	
	conjugating enzyme E2-17 kDa 3, Ubiquitin-protein ligase D3.	
	Background: Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to	
	other proteins. In vitro catalyzes 'Lys-11'-, as well as 'Lys-48'-linked polyubiquitination.	
	Cooperates with the E2 CDC34 and the SCF(FBXW11) E3 ligase complex for the	
	polyubiquitination of NFKBIA leading to its subsequent proteasomal degradation. Acts as an	
	initiator E2, priming the phosphorylated NFKBIA target at positions 'Lys-21' and/or 'Lys-22' with	
	a monoubiquitin. Ubiquitin chain elongation is then performed by CDC34, building ubiquitin	
	chains from the UBE2D3-primed NFKBIA-linked ubiquitin. Acts also as an initiator E2, in	
	conjunction with RNF8, for the priming of PCNA. Monoubiquitination of PCNA, and its	
	subsequent polyubiquitination, are essential events in the operation of the DNA damage	
	tolerance (DDT) pathway that is activated after DNA damage caused by UV or chemical agents	
	during S-phase. Associates with the BRCA1/BARD1 E3 ligase complex to perform ubiquitinatic	
	at DNA damage sites following ionizing radiation leading to DNA repair. Targets DAPK3 for	
	ubiquitination which influences promyelocytic leukemia protein nuclear body (PML-NB)	
	formation in the nucleus. In conjunction with the MDM2 and TOPORS E3 ligases, functions	
	ubiquitination of p53/TP53. Supports NRDP1-mediated ubiquitination and degradation of	
	ERBB3 and of BRUCE which triggers apoptosis. In conjunction with the CBL E3 ligase, targets	
	EGFR for polyubiquitination at the plasma membrane as well as during its internalization and	
	transport on endosomes. In conjunction with the STUB1 E3 quality control E3 ligase,	
	ubiquitinates unfolded proteins to catalyze their immediate destruction.	
Gene ID:	7323	
Pathways:	Activation of Innate immune Response, Toll-Like Receptors Cascades	
Application Details		
Application Notes:	WB 1:300-5000	
	ELISA 1:500-1000	
	IHC-P 1:200-400	

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	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months