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Datasheet for ABIN7174445 anti-UBE2D3 antibody (AA 1-147) (HRP)



Overview

Quantity:	100 µg
Target:	UBE2D3
Binding Specificity:	AA 1-147
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This UBE2D3 antibody is conjugated to HRP
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Ubiquitin-conjugating enzyme E2 D3 protein (1-147AA)
Isotype:	lgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	UBE2D3
Alternative Name:	UBE2D3 (UBE2D3 Products)
Background:	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.

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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 ubiquitination
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 (By similarity).
Aliases: E2(17)KB3 antibody, MGC43926 antibody, MGC5416 antibody, PRO2116 antibody,
UB2D3_HUMAN antibody, UBC 4/5 antibody, UBC4/5 antibody, UBC4/5 homolog yeast
antibody, UBC4/5, S. cerevisiae, homolog of antibody, UBCH 5C antibody, UBCH5C antibody,
Ube2d3 antibody, Ubiquitin carrier protein antibody, Ubiquitin carrier protein D3 antibody,
Ubiquitin conjugating enzyme E2 17 kDa 3 antibody, Ubiquitin conjugating enzyme E2 D3
antibody, Ubiquitin conjugating enzyme E2D 3 (homologous to yeast UBC4/5) antibody,
Ubiquitin conjugating enzyme E2D 3 (UBC4/5 homolog yeast) antibody, Ubiquitin conjugating
enzyme E2D 3 antibody, Ubiquitin protein ligase D3 antibody, Ubiquitin-conjugating enzyme E2
D3 antibody, Ubiquitin-conjugating enzyme E2(17)KB 3 antibody, Ubiquitin-conjugating enzyme
E2-17 kDa 3 antibody, Ubiquitin-protein ligase D3 antibody

UniProt:

Pathways:

Activation of Innate immune Response, Toll-Like Receptors Cascades

Application Details

P61077

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

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Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.