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Datasheet for ABIN1385714 **anti-UBE2G1 antibody (AA 101-170)**

Overview

Quantity:	100 µL
Target:	UBE2G1 (Ube2g1)
Binding Specificity:	AA 101-170
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This UBE2G1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Ube2G1/UBC7
Isotype:	IgG
Cross-Reactivity:	Rat
Predicted Reactivity:	Mouse,Dog,Sheep,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	UBE2G1 (Ube2g1)
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Target Details

Alternative Name:	Ube2G1 (Ube2g1 Products)
Background:	<p>Synonyms: E217K, UB2G1_HUMAN, UBC 7, UBC7, UBC7 homolog yeast, UBE 2G, UBE2G, Ube2g1, Ubiquitin carrier protein G1, Ubiquitin conjugating enzyme E2 G1, Ubiquitin conjugating enzyme E2G 1 homologous to C. elegans UBC7, Ubiquitin conjugating enzyme E2G 1 UBC7 homolog C. elegans, Ubiquitin conjugating enzyme E2G 1 UBC7 homolog yeast, Ubiquitin conjugating enzyme E2G 1, Ubiquitin protein ligase G1, Ubiquitin-conjugating enzyme E2 G1, Ubiquitin-protein ligase G1.</p> <p>Background: Ubiquitin is an abundant, highly conserved protein found in all eukaryotic cells either free or covalently attached to cellular proteins. The primary function of ubiquitin in mammalian systems is to clear abnormal, foreign, and improperly folded proteins by targeting them for proteasome degradation. In <i>Saccharomyces cerevisiae</i>, ubiquitin-like proteins include Rub1, Ula1, Uba3, Smt3, Ubc2, Ubc12 and Ubc9. Rub1 shares 53 % homology with ubiquitin and requires activation via the E2 proteins, including Ula1, Uba3 and Ubc12 in order to conjugate to substrates directed to different proteolytic systems. Ubc4 catalyzes ubiquitination of IκBα in a phosphorylation and SCFB-TRCP dependent manner. In this particular reaction, E1 first transfers ubiquitin to the E2 component Ubc4, and Ubc4 then associates with E3 ligase, which conjugates the poly-ubiquitin chain on a target protein. In this fashion, the chain tags the IκBα for degradation by a proteasome thus lifting the inhibitory effect of IκBα on NFκB and allowing NFκB to enter the nucleus.</p>
Gene ID:	7326

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 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
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Handling

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