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Datasheet for ABIN5012144

**anti-UBE2A antibody (AA 81-152) (Alexa Fluor 680)**

## Overview

Quantity:	100 µL
Target:	UBE2A (ube2a)
Binding Specificity:	AA 81-152
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This UBE2A antibody is conjugated to Alexa Fluor 680
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human UBE2A/RAD6
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Cow,Chicken
Purification:	Purified by Protein A.

## Target Details

Target:	UBE2A (ube2a)
Alternative Name:	UBE2A ( <a href="#">ube2a Products</a> )
Background:	Synonyms: BHR6A, hHR6A, HR6A, mHR6A, RAD6 homolog A, RAD6A, RAD6B, UBC-1, UBC2,

Target Details

UBC6, UBCD6, UBE2A, UBE2A\_HUMAN, UBE2B, Ubiquitin carrier protein A, Ubiquitin carrier protein, Ubiquitin conjugating enzyme E2 17 kDa, Ubiquitin conjugating enzyme E2 21.5 kDa, Ubiquitin conjugating enzyme E2 A, Ubiquitin protein ligase A, Ubiquitin-conjugating enzyme E2 A, Ubiquitin-conjugating enzyme E2-17 kDa, Ubiquitin-conjugating enzyme E2-21.5 kDa, Ubiquitin-protein ligase A.

Background: The ubiquitin (Ub) pathway involves three sequential enzymatic steps that facilitate the conjugation of Ub and Ub-like molecules to specific protein substrates. The first step requires the ATP-dependent activation of the Ub C-terminus and the assembly of multi-Ub chains by the Ub-activating enzyme known as the E1 component. The Ub chain is then conjugated to the Ub-conjugating enzyme (E2) to generate an intermediate Ub-E2 complex. The Ub-ligase (E3) then catalyzes the transfer of Ub from E2 to the appropriate protein substrate. UBE2A (Ubiquitin-conjugating enzyme E2 A) and UBE2B (Ubiquitin-conjugating enzyme E2 B) are both Ub-conjugating enzymes that are essential to postreplication repair of UV-damaged DNA. UBE2A and UBE2B are both nuclear and cell membrane proteins that have been found to interact with Rad18.

Gene ID: 7319

Application Details

Application Notes: 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: Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % 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: -20 °C

## Handling

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Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
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Expiry Date:	12 months
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