

## Anti-UBE2B Antibody [PCRP-UBE2B-1C7] (A250264)

### Specifications:

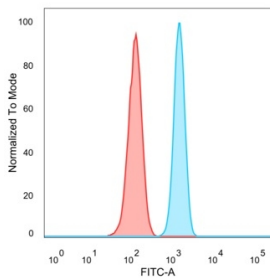
Name:	Anti-UBE2B Antibody [PCRP-UBE2B-1C7]
Description:	Mouse monoclonal [PCRP-UBE2B-1C7] antibody to UBE2B.
Specificity:	The ubiquitin (Ub) pathway involves three sequential enzymatic steps that facilitate the conjugation of Ub and Ub-like molecules to specific protein substrates. The first step requires 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 post replication repair of UV-damaged DNA. UBE2A and UBE2B are both nuclear and cell membrane proteins that have been found to interact with Rad18.
Applications:	Flow Cytometry, IF
Recommended Dilutions:	Flow Cytometry: 1-2 µg/million cells, IF: 1-2 µg/ml
Reactivity:	Human
Cross Reactivity:	This antibody is predicted to cross react with Mouse, Rat, Xenopus, and Zebrafish.
Immunogen:	Recombinant full-length human UBE2B protein.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	PCRP-UBE2B-1C7
Isotype:	IgG2b
Conjugate:	Unconjugated
Purification:	Protein A/G chromatography.
Concentration:	200 µg/ml
Product Form:	Liquid
Formulation:	Supplied in 10mM Phosphate Buffered Saline with 0.05% BSA and 0.05% Sodium Azide.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
General Notes:	This monoclonal antibody is also available in a different formulation without BSA and Sodium Azide - Anti-UBE2B Antibody [PCRP-UBE2B-1C7] - BSA and Azide free (A253444).

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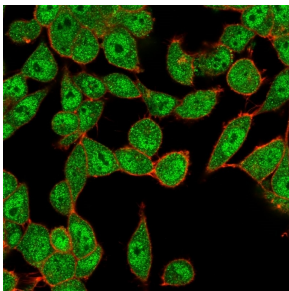
## Specifications continued:

**Disclaimer:** This product is for research use only. It is not intended for diagnostic or therapeutic use.

## Images:



Flow cytometric analysis of PFA fixed HeLa cells using Anti-UBE2B Antibody [PCRP-UBE2B-1C7] followed by Goat Anti-Mouse IgG (CF® 488) (Blue). Unstained cells (red).



Immunofluorescent analysis of PFA fixed HeLa cells stained with Anti-UBE2B Antibody [PCRP-UBE2B-1C7] followed by Goat Anti-Mouse IgG (CF® 488) (Green). Counterstain is Phalloidin.



Analysis of protein array containing more than 19,000 full-length human proteins using Anti-UBE2B Antibody [PCRP-UBE2B-1C7]. Z-Score and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target; a MAb is considered to be specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.