

Mouse UBE2B Monoclonal Antibody | anti-UBE2B antibody

UBE2B Mouse Monoclonal Antibody [Clone PCRP-UBE2B-1C7]

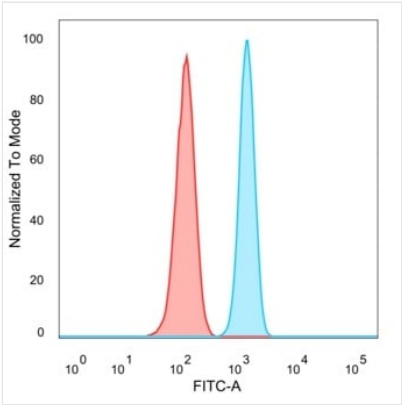
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215973	Mouse	Human Predicted to work in Mouse, Rat, Xenopus and Zebrafish.	Immunofluorescence, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

UBE2B; Monoclonal Antibody; UBE2B Mouse Monoclonal Antibody [Clone PCRP-UBE2B-1C7]; E2 17kDa; hHR6B; HR6B; RAD6 homolog B (RAD6B); UBC2; Ubiquitin carrier protein B; Ubiquitin conjugating enzyme E2B; Ubiquitin protein ligase B; Ubiquitin-conjugating enzyme E2 17kDa;; anti-UBE2B antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human Predicted to work in Mouse, Rat, Xenopus and Zebrafish.
Clonality	Monoclonal
Isotype	Mouse/IgG2b
Clone Number	PCRP-UBE2B-1C7
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Concentration	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml (varies by lot)
Applicable Applications for anti-UBE2B antibody	IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Immunogen	Recombinant full-length human UBE2B protein
Cellular Localization	Cell membrane, Nucleus, In peripheral neurons, expressed both at the plasma membrane and in nuclei
Positive Control	HeLa, K562 or Jurkat cells.
Hu-chromosome Location	5q31.1
Unigene	644421 & 612096
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C Antibody without azide: store at -20 to -80 degree C Antibody is stable for 24 months. Non-hazardous. No MSDS required.



FCM/FACS (Flow Cytometry)
Flow Cytometric Analysis of PFA-fixed HeLa cells. UBE2B Mouse Monoclonal Antibody (PCRP-UBE2B-1C7) followed by goat anti-mouse IgG-CF488 (blue); unstained cells (red).

ADDITIONAL INFORMATION

Related Product Information for anti-UBE2B antibody	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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	52783814
NCBI GeneID	7320
UniProt Accession #	P63146; P23567; Q4PJ15; Q9D0J6; B2R503; D3DQA2
Molecular Weight	152
NCBI Official Full Name	Ubiquitin-conjugating enzyme E2 B
NCBI Official Synonym Full Names	ubiquitin-conjugating enzyme E2B
NCBI Official Symbol	UBE2B
NCBI Official Synonym Symbols	HR6B; UBC2; HHR6B; RAD6B; E2-17kDa
NCBI Protein Information	ubiquitin-conjugating enzyme E2 B; E2 protein; RAD6 homolog B; ubiquitin-protein ligase B; ubiquitin carrier protein B; ubiquitin-conjugating enzyme E2-17 kDa; ubiquitin-conjugating enzyme E2B (RAD6 homolog)
UniProt Protein Name	Ubiquitin-conjugating enzyme E2 B
UniProt Gene Name	UBE2B
UniProt Synonym Gene Names	RAD6B; HR6B; hHR6B
UniProt Entry Name	UBE2B_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.