UBE3A / E6-AP Antibody

Mouse Monoclonal Antibody [Clone PCRP-UBE3A-1A2]

Catalog No	Format	Size
7337-MSM2-P0	Purified Ab with BSA and Azide	200ug/ml
7337-MSM2-P1	Purified Ab with BSA and Azide	200ug/ml
7337-MSM2-P1ABX	Purified Ab WITHOUT BSA and Azide	1.0mg/ml

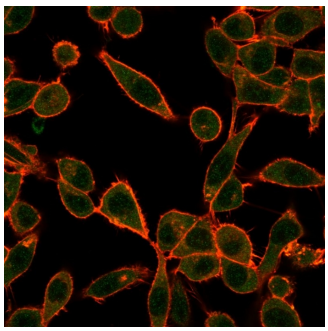
Applications	Tested Dillution
Flow Cytometry (Flow)	1-2ug/million cells
Immunofluorescence (IF)	1-3ug/ml

Product Details

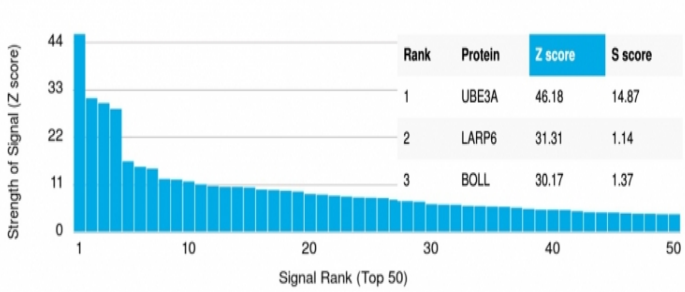
Clone	PCRP-UBE3A-1A2
Gene Name	UBE3A
Immunogen	Recombinant full-length human UBE3A protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1
Mol. Weight of Antigen	100kDa
Cellular Localization	Cytoplasm, Nucleus
Species Reactivity	Human
Positive Control	HeLa cells.

**Optimal dilution for a specific application should be determined.*

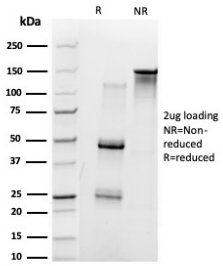
Product Images for UBE3A / E6-AP Antibody



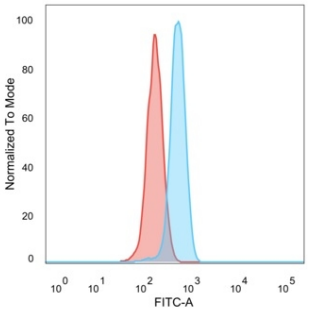
Immunofluorescent Analysis of PFA-fixed HeLa cells. UBE3A / E6-AP Mouse Monoclonal Antibody (PCRP-UBE3A-1A2) followed by IgG-CF488 (green), counterstained with phalloidin.



Analysis of Protein Array containing more than 19,000 full-length human proteinsusing UBE3A / E6-AP Mouse Monoclonal Antibody (PCRP-UBE3A-1A2). Z- 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 HuProtTM 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 HuProtTM 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 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.



SDS-PAGE Analysis. Purified UBE3A Mouse Monoclonal Antibody (PCRP-UBE2B-1A2). Confirmation of Purity and Integrity of Antibody.



Flow Cytometric Analysis of PFA-fixed HeLa cells. UBE3A / E6-AP Mouse Monoclonal Antibody (PCRP-UBE3A-1A2) followed by goat anti-mouse IgG-CF488 (blue); unstained cells (red).

Specificity & Comments

E6-associating protein (E6-AP), also designated ubiquitin protein ligase E3A(UBE3A), is a component of the ubiquitin-mediated proteolytic pathway thatselectively targets proteins for degradation by the 26S Proteasome. Ubiquitin(Ub) is directly conjugated to protein substrates by the transfer of Ub from anE2 ubiquitin conjugating enzyme to the target protein. This conjugation is facil-itated by the enzymatic activity of E3 ubiquitin ligase family members such asE6-AP. Several substrates of E6-AP have been identified and include the tumorsuppressor protein p53 and the mammalian homolog of Rad23, HHR23A.Previous studies have indicated that E6-AP associates with the humanpapillomavirus E6 oncogene, which forms a complex with p53 and therebypotentiates E6-AP mediated ubiquitination of p53. Genetic mutations thatimpair E6-AP activity result in the accumulation of p53 in the cytoplasm, andin many instances, these mutations are associated with the development ofthe rare neurodevelopmental disorder Angelman syndrome (AS), which ischaracterized by severe motor dysfunction and mental retardation.

Research Areas

Immunology, Nuclear Marker

Known Applications & Suggested Dilutions

Flow Cytometry (1-2ug/million cells) | Immunofluorescence (1-2ug/ml) | ,Optimal dilution for a specific application should be determined.

Supplied As

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.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.

There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

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