

Anti-UBE2Q2 Antibody Picoband® Cy3 Conjugated

Catalog Number: PB9839-Cy3

About UBE2Q2

UBE2Q2 is identified as a putative ubiquitin-conjugating enzyme (E2) in a microarray screen for mitotic regulatory proteins. Its gene is mapped to 15q24.2. UBE2Q2 can covalently bind ubiquitin on the active site cysteine within the UBC domain. Inhibition of UBE2Q2 in HeLa cells causes an early mitotic arrest and increases cytotoxicity when the cells are treated with microtubule-inhibiting agents (MIAs). Changes in cell cycle progression and viability are not observed in the absence of MIA treatment, indicating that UBE2Q2 is involved in the response to MIAs rather than performing a more general function in mitosis. Moreover, inhibition of the UBE2Q2 protein causes cells to undergo a prolonged prophase arrest, suggesting that UBE2Q2 normally functions to antagonize an early mitotic checkpoint. Finally, inhibition of UBE2Q2 also sensitizes cells to the cytotoxic effects of MIAs through caspase-mediated apoptosis that is correlated with PARP1 cleavage.

Overview

| | |
|----------------------|--|
| Product Name | Anti-UBE2Q2 Antibody Picoband® Cy3 Conjugated |
| Reactive Species | Human, Mouse, Rat |
| Application | Flow Cytometry |
| Clonality | Polyclonal |
| Formulation | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ . |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light. |
| Host | Rabbit |
| Uniprot ID | Q8WVN8 |

Technical Details

| | |
|------------------|---|
| Immunogen | A synthetic peptide corresponding to a sequence at the N-terminus of human UBE2Q2, different from the related mouse sequence by four amino acids. |
| Cross Reactivity | No cross-reactivity with other proteins |
| Isotype | Rabbit IgG |
| Form | Liquid |
| Concentration | 0.5 mg/mL |
| Purification | Immunogen affinity purified. |
| Conjugate | Cy3 Excitation Wavelength: 554 nm Emission Wavelength: 568 nm |

Suggested Dilutions

Flow Cytometry, Optimal dilutions should be determined by end users.

Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-UBE2Q2 Antibody - Cy3

For Research Use Only. Not for use in diagnostic procedures.