

Anti-BRCA1 Antibody Picoband® Fluoro594 Conjugated

Catalog Number: A00005-Fluoro594

About BRCA1

BRCA1, mapped to 17q21.3, is also known as BRCC1. This gene encodes a nuclear phosphoprotein that plays a role in maintaining genomic stability, and it also acts as a tumor suppressor. The encoded protein combines with other tumor suppressors, DNA damage sensors, and signal transducers to form a large multi-subunit protein complex known as the BRCA1-associated genome surveillance complex (BASC). BRCA1 product associates with RNA polymerase II, and through the C-terminal domain, also interacts with histone deacetylase complexes. This protein thus plays a role in transcription, DNA repair of double-stranded breaks, and recombination. In addition to it, BRCA1 may normally serve as a negative regulator of mammary epithelial cell growth and that this function is compromised in breast cancer either by direct mutation or by alterations in gene expression.

Overview

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| Product Name | Anti-BRCA1 Antibody Picoband® Fluoro594 Conjugated |
| Reactive Species | Human, Mouse, Rat |
| Application | Recommended applications are based on the parent unconjugated antibody (IF, ICC, WB). Customers may select suitable applications according to their experimental needs. |
| Clonality | Polyclonal |
| Formulation | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% Na ₃ N. |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light. |
| Host | Rabbit |
| Uniprot ID | P38398 |

Technical Details

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| Immunogen | E.coli-derived human BRCA1 recombinant protein (Position: T1681-E1781). Human BRCA1 shares 73.3% and 74.3% amino acid (aa) sequence identity with mouse and rat BRCA1, respectively. |
| Cross Reactivity | No cross-reactivity with other proteins. |
| Isotype | Rabbit IgG |
| Form | Liquid |
| Concentration | 0.5 mg/mL |
| Purification | Immunogen affinity purified. |
| Conjugate | Fluoro594 Excitation Wavelength: 593 nm |

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| | Emission Wavelength: 618 nm |
| Suggested Dilutions | Optimal dilutions should be determined by end users. |

1 Publications Citing This Product

1. PubMed ID: 23276146, Zhang Q, Zhang Q, Cong H, Zhang X. Diagn Pathol. 2012 Dec 31;7:181. Doi: 10.1186/1746-1596-7-181. The Ectopic Expression Of Brca1 Is Associated With Genesis, Progression, And Prognosis Of Breast Cancer In Young Patients.

Visit bosterbio.com/anti-brca1-picoband-trade-antibody-a00005-boster.html to see all 1 publications.

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