

## Anti-BRCA2 Antibody (Monoclonal, 34B55)

Catalog Number: M00009-1

### About BRCA2

BRCA2 is a human tumor suppressor gene (specifically, a caretaker gene), found in all humans. This gene is mapped to 13q13.1. BRCA2 is essential for efficient homology-directed repair, it regulates both the intracellular localization and DNA-binding ability of RAD51. What's more, the complete BRC repeat domain of BRCA2 shows robust RAD51 binding and it is a critical cofactor for RAD51-mediated homologous recombination. BRCA2 is also a key mediator of homologous recombination and provides a molecular basis for understanding how this DNA repair process is disrupted by BRCA2 mutations. BRCA2-deficient cells, as a result of their deficiency in homologous recombination, are acutely sensitive to PARP inhibitors.

### Overview

Product Name	Anti-BRCA2 Antibody (Monoclonal, 34B55)
Reactive Species	Human
Description	Boster Bio Anti-BRCA2 Antibody (Monoclonal, 34B55) catalog # M00009-1. Tested in WB, Flow Cytometry applications. This antibody reacts with Human.
Application	Flow Cytometry, WB
Clonality	Monoclonal 34B55
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P51587

### Technical Details

Immunogen	Recombinant protein within human BRCA2 aa 3221-3416.
Form	Liquid
Concentration	500 ug/ml
Purification	Protein A affinity purified.
Suggested Dilutions	Western blot, 1:500-2000 Flow Cytometry (Fixed), 1:50-200

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