

**BRIP1 Antibody (N-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP10665a****Specification**

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**BRIP1 Antibody (N-term) Blocking peptide - Product Information**Primary Accession [Q9BX63](#)**BRIP1 Antibody (N-term) Blocking peptide - Additional Information**

Gene ID 83990

**Other Names**

Fanconi anemia group J protein, Protein FACJ, ATP-dependent RNA helicase BRIP1, BRCA1-associated C-terminal helicase 1, BRCA1-interacting protein C-terminal helicase 1, BRCA1-interacting protein 1, BRIP1, BACH1, FANCI

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**BRIP1 Antibody (N-term) Blocking peptide - Protein Information**Name BRIP1 ([HGNC:20473](#))**Function**

DNA-dependent helicase and 5' to 3' DNA helicase required for the maintenance of chromosomal stability (PubMed: [11301010](http://www.uniprot.org/citations/11301010), PubMed: [14983014](http://www.uniprot.org/citations/14983014), PubMed: [16116421](http://www.uniprot.org/citations/16116421), PubMed: [16153896](http://www.uniprot.org/citations/16153896), PubMed: [36608669](http://www.uniprot.org/citations/36608669)). Acts late in the Fanconi anemia pathway, after FANCD2 ubiquitination (PubMed: [14983014](http://www.uniprot.org/citations/14983014), PubMed: [16153896](http://www.uniprot.org/citations/16153896), PubMed: [16153896](http://www.uniprot.org/citations/16153896)). Involved in the repair of DNA double-strand breaks by homologous recombination in a manner that depends on its association with BRCA1 (PubMed: [14983014](http://www.uniprot.org/citations/14983014), PubMed: [16153896](http://www.uniprot.org/citations/16153896)). Involved in the repair of abasic sites at replication forks by promoting the degradation of DNA-protein cross-links: acts by catalyzing unfolding of HMCES DNA-protein cross-link via its helicase activity, exposing the underlying DNA and enabling cleavage of the DNA- protein adduct by the SPRTN

metalloprotease (PubMed:<a href="http://www.uniprot.org/citations/16116421" target="\_blank">16116421</a>, PubMed:<a href="http://www.uniprot.org/citations/36608669" target="\_blank">36608669</a>).

**Cellular Location**

Nucleus. Cytoplasm

**Tissue Location**

Ubiquitously expressed, with highest levels in testis.

**BRIP1 Antibody (N-term) Blocking peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

**BRIP1 Antibody (N-term) Blocking peptide - Images****BRIP1 Antibody (N-term) Blocking peptide - Background**

BRIP1 is a member of the RecQDEAH helicase family and interacts with the BRCT repeats of breastcancer, type 1 (BRCA1). The bound complex is important in thenormal double-strand break repair function of breast cancer, type 1(BRCA1).

**BRIP1 Antibody (N-term) Blocking peptide - References**

Ucisik-Akkaya, E., et al. Mol. Hum. Reprod. 16(10):770-777(2010)Bailey, S.D., et al. Diabetes Care (2010) In press :Solyom, S., et al. Fam. Cancer (2010) In press :Xie, J., et al. Oncogene 29(17):2499-2508(2010)Smith, I.M., et al. ORL J. Otorhinolaryngol. Relat. Spec. 72(1):44-50(2010)