

BRIP1 / BACH1 Antibody (aa1233-1249)
Rabbit Polyclonal Antibody
Catalog # ALS13819**Specification****BRIP1 / BACH1 Antibody (aa1233-1249) - Product Information**

Application	IHC
Primary Accession	Q9BX63
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	141kDa KDa

BRIP1 / BACH1 Antibody (aa1233-1249) - Additional Information**Gene ID** 83990**Other Names**

Fanconi anemia group J protein, Protein FACJ, 3.6.4.13, ATP-dependent RNA helicase BRIP1, BRCA1-associated C-terminal helicase 1, BRCA1-interacting protein C-terminal helicase 1, BRCA1-interacting protein 1, BRIP1, BACH1, FANCD1

Target/Specificity

Residues 1233-1249 [NFKPSPSKNKGMPGFK] of the human BACH1 protein

Reconstitution & Storage

+4°C or -20°C, Avoid repeated freezing and thawing.

Precautions

BRIP1 / BACH1 Antibody (aa1233-1249) is for research use only and not for use in diagnostic or therapeutic procedures.

BRIP1 / BACH1 Antibody (aa1233-1249) - 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) target="_blank">11301010, PubMed: [14983014](http://www.uniprot.org/citations/14983014) target="_blank">14983014, PubMed: [16116421](http://www.uniprot.org/citations/16116421) target="_blank">16116421, PubMed: [16153896](http://www.uniprot.org/citations/16153896) target="_blank">16153896, PubMed: [36608669](http://www.uniprot.org/citations/36608669) target="_blank">36608669). Acts late in the Fanconi anemia pathway, after FANCD2 ubiquitination (PubMed: [14983014](http://www.uniprot.org/citations/14983014) target="_blank">14983014, PubMed: [16153896](http://www.uniprot.org/citations/16153896) target="_blank">16153896). Involved in the repair of DNA double-strand breaks by homologous recombination in a manner that depends on its association with BRCA1 (PubMed: [16153896](#) target="_blank">16153896).

href="http://www.uniprot.org/citations/14983014" target="_blank">14983014, PubMed: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:16116421, PubMed:36608669).

Cellular Location

Nucleus. Cytoplasm

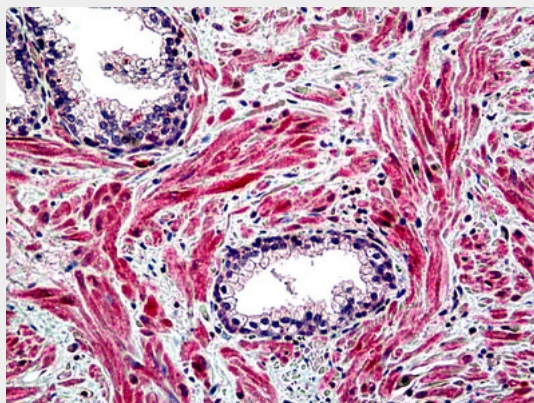
Tissue Location

Ubiquitously expressed, with highest levels in testis.

BRIP1 / BACH1 Antibody (aa1233-1249) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

BRIP1 / BACH1 Antibody (aa1233-1249) - Images

Anti-BRIP1 / FANCD1 antibody IHC of human prostate.

BRIP1 / BACH1 Antibody (aa1233-1249) - Background

DNA-dependent ATPase and 5' to 3' DNA helicase required for the maintenance of chromosomal stability. Acts late in the Fanconi anemia pathway, after FANCD2 ubiquitination. Involved in the repair of DNA double-strand breaks by homologous recombination in a manner that depends on its association with BRCA1.

BRIP1 / BACH1 Antibody (aa1233-1249) - References

Cantor S.B.,et al.Cell 105:149-160(2001).
Zody M.C.,et al.Nature 440:1045-1049(2006).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Yu X.,et al.Science 302:639-642(2003).
Cantor S.B.,et al.Proc. Natl. Acad. Sci. U.S.A. 101:2357-2362(2004).