BRIP1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	BRIP1, Polyclonal Antibody
Full Product Name	BRIP1 Antibody, Biotin conjugated
Product Gene Name	anti-BRIP1 antibody
Product Synonym 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; FANCJ
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	>95%, Protein G purified
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: BRIP1 (MBS7053221) Biotin Conjugated Antibody: BRIP1 (MBS7053224)
Molecular Weight	112,476 Da
OMIM	AF360549 mRNA
3D Structure	ModBase 3D Structure for Q9BX63
Immunogen	Recombinant Human Fanconi anemia group J protein (66-243AA)
Conjugation	Biotin
Preservative	0.03% Proclin 300
Constituents	50% Glycerol, 0.01M PBS, pH 7.4
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-BRIP1 antibody	ELISA (EIA)
Related Product Information for anti-BRIP1 antibody	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.
Other Notes	Small volumes of anti-BRIP1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for BRIP1 purchase	MBS7053224 is an antibody targeting BRIP1. Also known as BRIP1 Antibody, Biotin conjugated. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for BRIP1. It may not necessarily be applicable to this product.

NCBI GI #	301897118
NCBI GeneID	83990
NCBI Accession #	NP_114432.2
UniProt Primary Accession #	Q9BX63
UniProt Secondary Accession #	Q3MJE2; Q8NCI5
UniProt Related Accession #	Q9BX63
GenBank Nucleotide #	NM_032043.2
NCBI Official Full Name	Fanconi anemia group J protein
NCBI Official Synonym Full Names	BRCA1 interacting protein C-terminal helicase 1
NCBI Official Symbol	BRIP1
NCBI Official Synonym Symbols	OF; BACH1; FANCJ
UniProt Protein Name	Fanconi anemia group J protein
UniProt Synonym Protein Names	ATP-dependent RNA helicase BRIP1; BRCA1-associated C-terminal helicase 1; BRCA1-interacting protein C-terminal helicase 1; BRCA1-interacting protein 1
Protein Family	Fanconi anemia group J protein
UniProt Gene Name	BRIP1
UniProt Synonym Gene Names	BACH1; FANCJ; Protein FACJ; BRCA1-interacting protein 1
NCBI Protein Information	Fanconi anemia group J protein
NCBI Summary for BRIP1	The protein encoded by this gene is a member of the RecQ DEAH helicase family and interacts with the BRCT repeats of breast cancer, type 1 (BRCA1). The bound complex is important in the normal double-strand break repair function of breast cancer, type 1 (BRCA1). This gene may be a target of germline cancer-inducing mutations. [provided by RefSeq, Jul 2008]
UniProt Comments for BRIP1	BRIP1: a DNA-dependent ATPase and DNA helicase required for the maintenance of chromosomal stability. Involved in the repair of DNA double-strand breaks by homologous recombination in a manner that depends on its association with BRCA1. Binds directly to the BRCT domains of BRCA1. Defects in BRIP1 cause of susceptibility to breast cancer and Fanconi anemia. Acts late in the Fanconi anemia pathway, after FANCD2 ubiquitination. Belongs to the DEAD box helicase family, DEAH subfamily. Two alternatively spliced human isoforms have been described. Protein type: EC 3.6.4.13; Helicase; Oncoprotein Chromosomal Location of Human Ortholog: 17q23.2 Cellular Component: cytoplasm; nuclear membrane; nucleoplasm; nucleus Molecular Function: protein binding Biological Process: DNA replication; DNA synthesis during DNA repair; regulation of transcription from RNA polymerase II promoter; strand displacement Disease: Breast Cancer; Fanconi Anemia, Complementation Group J; Tracheoesophageal Fistula With Or Without Esophageal Atresia
Research Articles on BRIP1	**1.** BRIP1 might be the gene involved in the onset of breast cancer in families that do not show BRACA1/2 mutations (Review)
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