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Anti-BACH1/BRIP1 Rabbit Monoclonal Antibody

Catalog # ABO15788

Product Information

Application	WB
Primary Accession	Q9BX63
Host	Rabbit
Isotype	IgG
Reactivity	Human
Clonality	Monoclonal
Format	Liquid
Description	Anti-BACH1/BRIP1 Rabbit Monoclonal Antibody . Tested in WB application. This antibody reacts with Human.

Additional Information

Gene ID	83990
Other Names	Fanconi anemia group J protein, 3.6.4.12, BRCA1-associated C-terminal helicase 1, BRCA1-interacting protein C-terminal helicase 1, BRCA1-interacting protein 1, BRIP1 (HGNC:20473)
Calculated MW	140867
Application Details	WB 1:500-1:2000
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: 23B65
Immunogen	A synthesized peptide derived from human BACH1/BRIP1
Purification	Affinity-chromatography
Storage	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.

Protein Information

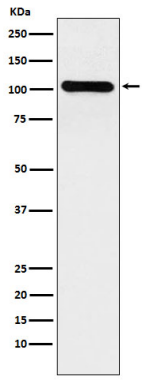
Name	BRIP1 (HGNC:20473)
Function	DNA-dependent ATPase and 5'-3' DNA helicase required for the maintenance of chromosomal stability (PubMed:11301010, PubMed:14983014, PubMed:16116421, PubMed:16153896, PubMed:17596542, PubMed:36608669). Acts late in the Fanconi anemia

pathway, after FANCD2 ubiquitination (PubMed:14983014, PubMed: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, 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). Can unwind RNA:DNA substrates (PubMed:14983014). Unwinds G-quadruplex DNA; unwinding requires a 5'-single stranded tail (PubMed:18426915, PubMed:20639400).

Cellular Location Nucleus. Cytoplasm

Tissue Location Ubiquitously expressed, with highest levels in testis.

Images



Western blot analysis of BACH1/BRIP1 expression in HeLa cell lysate.

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