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Anti-BACH1/BRIP1 Rabbit Monoclonal Antibody

Catalog # ABO15788

Specification

Anti-BACH1/BRIP1 Rabbit Monoclonal Antibody - 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.

Anti-BACH1/BRIP1 Rabbit Monoclonal Antibody - 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
105 kDa KDa

Application Details
WB 1:500-1:2000

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.

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.**

Anti-BACH1/BRIP1 Rabbit Monoclonal Antibody - 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.

Anti-BACH1/BRIP1 Rabbit Monoclonal Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-BACH1/BRIP1 Rabbit Monoclonal Antibody - Images

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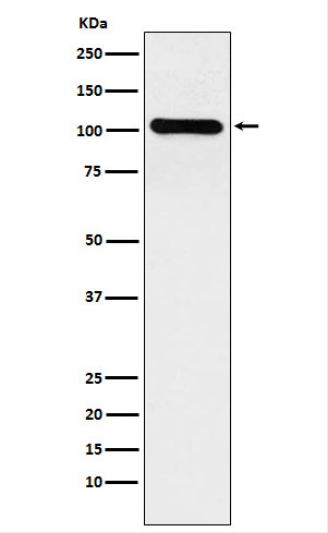

Western blot analysis of BACH1/BRIP1 expression in HeLa cell lysate.