

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human BRIP1/FANCJ in direct ELISAs and Western blots. In Western blots, no cross-reactivity with recombinant human (rh) FANCA, D2, E, F, G, I, L, M, or recombinant mouse BRIP1/FANCJ is observed.
Source	Monoclonal Mouse IgG ₁ Clone # 652747
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human BRIP1/FANCJ Ser2-Arg160 Accession # Q9BX63
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

BRCA1-interacting protein 1 (BRIP1), also known as Fanconi anemia complementation group J protein (FANCJ) and BACH1, is a 130 kDa ubiquitously expressed DNA helicase. BRIP1 binds to the BRCT domain of BRCA1 and regulates BRCA1 dependent DNA repair and cell cycle checkpoint control. It is mutated in patients with Fanconi anemia, a disorder characterized by chromosomal instability and increased risk of developing cancer. Within amino acids 1-160, human BRIP1 shares 78% and 74% aa sequence identity with mouse and rat BRIP1, respectively.

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