



Rabbit anti-Human BRCC45 polyclonal antibody (DPABH-02953)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

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| Antigen Description | Component of the BRCA1-A complex, a complex that specifically recognizes Lys-63-linked ubiquitinated histones H2A and H2AX at DNA lesions sites, leading to target the BRCA1-BARD1 heterodimer to sites of DNA damage at double-strand breaks (DSBs). The BRCA1-A complex also possesses deubiquitinase activity that specifically removes Lys-63-linked ubiquitin on histones H2A and H2AX. In the BRCA1-A complex, it acts as an adapter that bridges the interaction between BABAM1/NBA1 and the rest of the complex, thereby being required for the complex integrity and modulating the E3 ubiquitin ligase activity of the BRCA1-BARD1 heterodimer. Probably also plays a role as a component of the BRISC complex, a multiprotein complex that specifically cleaves Lys-63-linked ubiquitin. May play a role in homeostasis or cellular differentiation in cells of neural, epithelial and germline origins. May also act as a death receptor-associated anti-apoptotic protein, which inhibits the mitochondrial apoptotic pathway. May regulate TNF-alpha signaling through its interactions with TNFRSF1A; however these effects may be indirect. |
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| Immunogen | Recombinant fragment, corresponding to amino acids within 9-338 of Human BRCC45 |
| Isotype | IgG |
| Source/Host | Rabbit |
| Species Reactivity | Human |
| Purification | Immunogen affinity purified |
| Conjugate | Unconjugated |
| Applications | WB, IHC-P, ICC, ICC/IF |
| Format | Liquid |

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| Size | 50 µl |
| Buffer | pH: 7.00; Constituents: 0.75% Glycine, 1.21% Tris, 10% Glycerol |
| Preservative | None |
| Storage | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. |

GENE INFORMATION

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| Gene Name | BRE brain and reproductive organ-expressed (TNFRSF2A modulator) [Homo sapiens] |
| Official Symbol | BRE |
| Synonyms | BRE; brain and reproductive organ-expressed (TNFRSF1A modulator); BRCC4; BRCC45; BRCA1-A complex subunit BRE; BRCA1/BRCA2-containing complex subunit 45; BRCA1/BRCA2-containing complex, subunit 4; brain and reproductive organ-expressed protein; |
| Entrez Gene ID | 9577 |
| Protein Refseq | NP_001248769.1 |
| UniProt ID | Q9NXR7 |
| Function | peroxisome targeting sequence binding; polyubiquitin binding; protein binding; tumor necrosis factor receptor binding |