



BRE Monoclonal Antibody

Catalog No	YP-mAb-01570
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	BRE
Immunogen	The antiserum was produced against synthesized peptide derived from human BRE. AA range:325-374
Specificity	BRE Monoclonal Antibody detects endogenous levels of BRE protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	BABAM2;BRCA1 A complex subunit BRE;BRCC4;BRCC45;BRE;BRISC and BRCA1-A complex member 2;BRCA1-A complex subunit BRE;BRCA1/BRCA2-containing complex subunit 45;Brain and reproductive organ-expressed protein
Observed Band	40-44 kDa
Calculated Molecular Weight	44 kDa
Cell Pathway	Cytoplasm . Nucleus . Localizes at sites of DNA damage at double-strand breaks (DSBs). .
Tissue Specificity	Expressed in all cell lines examined. Highly expressed in placenta.
Function	alternative products:Additional isoforms may exist,domain:Contains 2 ubiquitin-conjugating enzyme family-like (UEV-like) regions. These regions lack the critical Cys residues required for ubiquitination but retain the ability to bind ubiquitin.,function: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 MERIT40/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. Probabl

Background

This gene encodes an anti-apoptotic, death receptor-associated protein that interacts with tumor necrosis factor-receptor-1. The encoded protein acts as an adapter in several protein complexes, including the BRCA1-A complex and the BRISC complex. The BRCA1-A complex possesses ubiquitinase activity and targets sites of double strand DNA breaks, while the BRISC complex exhibits deubiquitinase activity and is involved in mitotic spindle assembly. This gene is upregulated in several types of cancer. [provided by RefSeq, Jun 2016],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images