

## BRE polyclonal antibody

Catalog: BS61742

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

The breast cancer susceptibility gene, BRCA1, codes for an E3 ubiquitin ligase that functions in the maintenance of genome stability through regulation of the DNA damage response and DNA repair. BRCA1 protein forms at least three distinct complexes (BRCA1 A, B, and C) with other DNA repair proteins, and these interactions are vital for regulation of BRCA1 function. The BRCA1 A complex includes Rap80, BRCC36, Abraxas, MERIT40/NBA1, and BRE/BRCC45 and functions in G2/M phase checkpoint control. MERIT40 and BRE maintain the stability of both the BRCA1 A complex and the cytoplasmic BRISC complex, which contains BRCC36 and ABR1 but not BRCA1. Researchers have shown that the expression level of BRE is related to patient survival in breast cancer, and it may predict a favorable outcome in acute myeloid leukemia (AML). Studies have also shown that BRE is overexpressed in human hepatocellular carcinoma and that overexpression of BRE can cause resistance to apoptotic signaling and promote tumor growth.

### Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.3.

### Molecular Weight:

~ 45 kDa

### Swiss-Prot:

Q9NXR7

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific im-

munogen and the purity is &gt; 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

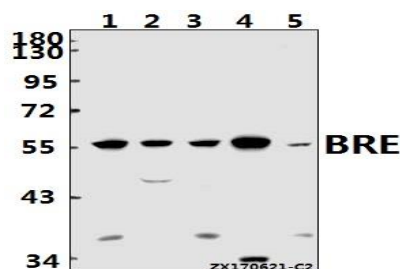
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

BRE polyclonal antibody detects endogenous levels of BRE protein.

### DATA:



Western blot (WB) analysis of BRE polyclonal antibody at 1:500 dilution

Lane1:L02 whole cell lysate(40ug)

Lane2:HCT116 whole cell lysate(40ug)

Lane3:HEK293T whole cell lysate(40ug)

Lane4:PC12 whole cell lysate(20ug)

Lane5:CT26 whole cell lysate(40ug)

### Note:

For research use only, not for use in diagnostic procedure.

### Bioworld Technology, Inc.

Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416, USA.

Email: [info@bioworld.com](mailto:info@bioworld.com)

Tel: 6123263284

Fax: 6122933841

### Bioworld technology, co. Ltd.

Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.

Email: [info@biogol.com](mailto:info@biogol.com)

Tel: 0086-025-68037686

Fax: 0086-025-68035151