

For Research Use Only

# BRE Polyclonal antibody

Catalog Number: 11702-1-AP **3 Publications**



## Basic Information

|   |  |  |
|---|--|--|
| <b>Catalog Number:</b><br>11702-1-AP  | <b>GenBank Accession Number:</b><br>BC001251                                     | <b>Purification Method:</b><br>Antigen affinity purification                                     |
| <b>Size:</b><br>150ul, Concentration: 400 µg/ml by Nanodrop and 233 µg/ml by Bradford method using BSA as the standard; | <b>GeneID (NCBI):</b><br>9577  | <b>Recommended Dilutions:</b><br>WB 1:500-1:3000<br>IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB |
| <b>Source:</b><br>Rabbit  | <b>Full Name:</b><br>brain and reproductive organ-expressed (TNFRSF1A modulator) | <b>IHC 1:50-1:500</b>  |
| <b>Isotype:</b><br>IgG  | <b>Calculated MW:</b><br>383 aa, 44 kDa  |  |
| <b>Immunogen Catalog Number:</b><br>AG2256  | <b>Observed MW:</b><br>40-44 kDa   |  |

## Applications

|   |  |
|---|--|
| <b>Tested Applications:</b><br>IHC, IP, WB, ELISA | <b>Positive Controls:</b><br>WB : HeLa cells, HepG2 cells, NIH/3T3 cells |
| <b>Cited Applications:</b><br>WB                  | <b>IP :</b> HeLa cells,  |
| <b>Species Specificity:</b><br>human, mouse       | <b>IHC :</b> human gliomas tissue,                                       |
| <b>Cited Species:</b><br>human                    |  |

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

BRE, also named as BRCC45, is a death receptor-associated antiapoptotic protein, which is also involved in DNA-damage repair, and K63-specific deubiquitination. BRE and its XIAP-sustaining mechanism could represent novel targets for anti-cancer therapy. BRE may regulate TNF-alpha signaling through its interactions with TNFRSF1A. It plays a role in homeostasis or cellular differentiation in cells of neural, epithelial and germline origins. BRE gene has four isoforms with MW 42-47 kDa.

## Notable Publications

| Author        | Pubmed ID | Journal        | Application |
|---------------|-----------|----------------|-------------|
| Xiaofei Zhang | 28190767  | Mol Cell       | WB          |
| Mu Yun        | 34975328  | Int J Biol Sci | WB          |
| Wang Bin B    | 19261749  | Genes Dev      | WB          |

## Storage

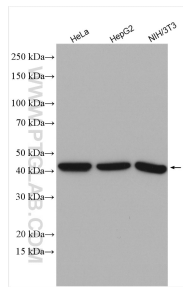
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

**\*\*\* 20ul sizes contain 0.1% BSA**

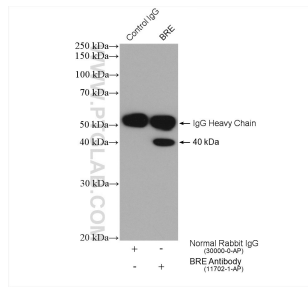
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

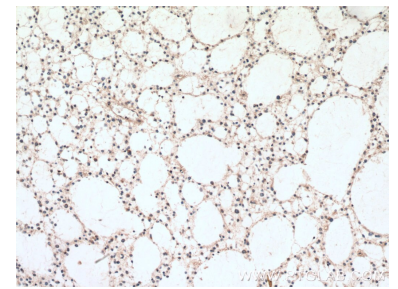
## Selected Validation Data



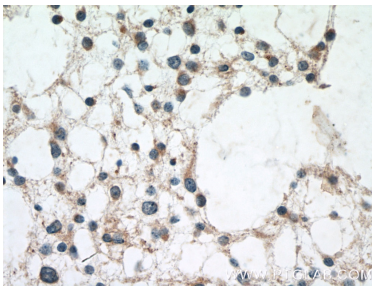
Various lysates were subjected to SDS PAGE followed by western blot with 11702-1-AP (BRE antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



IP result of anti-BRE(IP:11702-1-AP, 4ug; Detection:11702-1-AP 1:1000) with HeLa cells lysate 2320 ug.



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 11702-1-AP (BRE antibody) at dilution of 1:100 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 11702-1-AP (BRE antibody) at dilution of 1:100 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).