

anti- BRE antibody

Product Information

Catalog No.:	FNab00953
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Background

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(PubMed:17525341, PubMed:19261746, PubMed:19261749, PubMed:19261748). 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(PubMed:21282113, PubMed:19261748). Component of the BRISC complex, a multiprotein complex that specifically cleaves 'Lys-63'-linked ubiquitin in various substrates(PubMed:19214193, PubMed:24075985, PubMed:25283148, PubMed:26195665). Within the BRISC complex, acts as an adapter that bridges the interaction between BABAM1/NBA1 and the rest of the complex, thereby being required for the complex integrity(PubMed:21282113). The BRISC complex is required for normal mitotic spindle assembly and microtubule attachment to kinetochores via its role in deubiquitinating NUMA1(PubMed:26195665). The BRISC complex plays a role in interferon signaling via its role in the deubiquitination of the interferon receptor IFNAR1; deubiquitination increases IFNAR1 activity by enhancing its stability and cell surface expression(PubMed:24075985). Down-regulates the response to bacterial lipopolysaccharide(LPS) via its role in IFNAR1 deubiquitination(PubMed:24075985). May play a role in homeostasis or cellular differentiation

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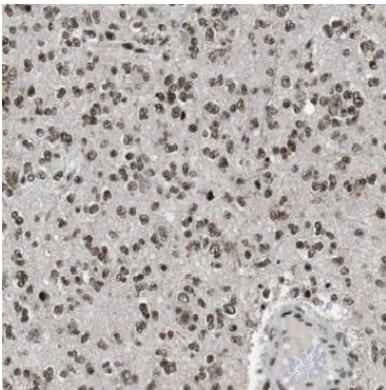
in cells of neural, epithelial and germline origins. May also act as a death receptor-associated anti-apoptotic protein, which inhibits the mitochondrial apoptotic pathway. May regulate TNF-alpha signaling through its interactions with TNFRSF1A; however these effects may be indirect(PubMed:15465831).

Immunogen information

Immunogen: brain and reproductive organ-expressed(TNFRSF1A modulator)
Synonyms: BRCC45
Observed MW: 44 kDa
UniprotID : Q9NXR7

Application

Reactivity: Human
Tested Application: ELISA, WB, IHC, IP
Recommended dilution: WB: 1:500-1:2000; IP: 1:500-1:2000; IHC: 1:20-1:200
Image:



Immunohistochemistry of paraffin-embedded human gliomas using FNab00953(BRE antibody) at dilution of 1:50

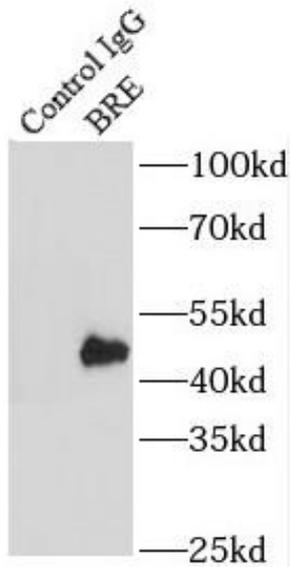
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IP Result of anti-BRE (IP:FNab00953, 4ug;
Detection:FNab00953 1:500) with PC-3 cells
lysate 2400ug.



PC-3 cells were subjected to SDS PAGE followed
by western blot with FNab00953(BRE antibody) at
dilution of 1:500

