

ARG56990 anti-BRCC36 antibody [3B1]

Package: 50 μl Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [3B1] recognizes BRCC36
Tested Reactivity	Hu
Tested Application	WB
Host	Mouse
Clonality	Monoclonal
Clone	3B1
Isotype	lgG1, kappa
Target Name	BRCC36
Species	Human
Immunogen	Recombinant fragment around aa. 1-316 of Human BRCC36.
Conjugation	Un-conjugated
Alternate Names	BRCA1/BRCA2-containing complex subunit 36; BRISC complex subunit BRCC36; BRCC36; CXorf53; BRCA1/BRCA2-containing complex subunit 3; Lys-63-specific deubiquitinase BRCC36; EC 3.4.19; C6.1A; BRCA1-A complex subunit BRCC36

Application Instructions

Application table	Application	Dilution
	WB	1:1000 - 1:2000
Application Note	* The dilutions indicate recomme should be determined by the scie	nded starting dilutions and the optimal dilutions or concentrations ntist.

Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 10% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	10% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GenelD: 79184 Human
	Swiss-port # P46736 Human
Gene Symbol	BRCC3
Gene Full Name	BRCA1/BRCA2-containing complex, subunit 3
Background	This gene encodes a subunit of the BRCA1-BRCA2-containing complex (BRCC), which is an E3 ubiquitin ligase. This complex plays a role in the DNA damage response, where it is responsible for the stable accumulation of BRCA1 at DNA break sites. The component encoded by this gene can specifically cleave Lys 63-linked polyubiquitin chains, and it regulates the abundance of these polyubiquitin chains in chromatin. The loss of this gene results in abnormal angiogenesis and is associated with syndromic moyamoya, a cerebrovascular angiopathy. Alternative splicing results in multiple transcript variants. A related pseudogene has been identified on chromosome 5. [provided by RefSeq, Jun 2011]
Function	Metalloprotease that specifically cleaves 'Lys-63'-linked polyubiquitin chains. Does not have activity toward 'Lys-48'-linked polyubiquitin chains. 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). In the BRCA1-A complex, it specifically removes 'Lys-63'-linked ubiquitin on histones H2A and H2AX, antagonizing the RNF8-dependent ubiquitination at double-strand breaks (DSBs). Catalytic subunit of the BRISC complex, a multiprotein complex that specifically cleaves 'Lys-63'-linked ubiquitin in various substrates. Mediates the specific 'Lys-63'-specific deubiquitination associated with the COP9 signalosome complex (CSN), via the interaction of the BRISC complex with the CSN complex. [UniProt]
Calculated Mw	36 kDa

Images



ARG56990 anti-BRCC36 antibody [3B1] WB image

Western blot: 40 μ g of 1) HeLa cell lysate, 2) HepG2 cell lysate, 3) 293T cell lysate, 4) MCF7 cell lysate, 5) NIH3T3 cell lysate stained with ARG56990 anti-BRCC36 antibody [3B1] at 1:1000.