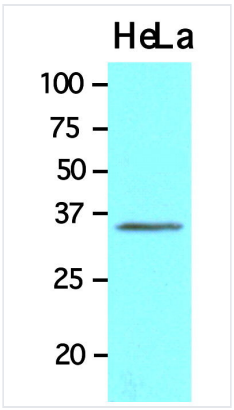
BRCC Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	BRCC-36, Monoclonal Antibody
Full Product Name	BRCC-36 (BRCA1/BRCA2-containing Complex Subunit 36, BRCC36, BRCA1/BRCA2-containing Complex Subunit 3, BRCC3, C6.1A, CXorf53, RP11-143H17.2)
Product Synonym Names	Anti -BRCC-36 (BRCA1/BRCA2-containing Complex Subunit 36, BRCC36, BRCA1/BRCA2-containing Complex Subunit 3, BRCC3, C6.1A, CXorf53, RP11-143H17.2)
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	10B2564
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.4, 0.1% sodium azide.
Purity/Purification	Affinity Purified Purified by Protein G affinity chromatography.
Concentration	1mg/ml (lot specific)
Specificity	Recognizes human BRCC-36
Preparation and Storage	May be stored at 4 degree C for short-term only. For long-term storage and to avoid repeated freezing and thawing, aliquot and store at -20 degree C. Aliquots are stable for at least 12 months at -20 degree C. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Further dilutions can be made in assay buffer.
Immunogen	Recombinant BRCC36 (1-316aa) purified from E. coli
Hybridoma	FO myeloma cells with spleen cells from Balb/c mice.
Product Categories/Family for anti-BRCC-36 antibody	Antibodies; Abs to Disease Markers
Applications Tested/Suitable for anti-BRCC-36 antibody	ELISA (EL/EIA), Western Blot (WB)
Application Notes for anti-BRCC-36 antibody	Suitable for use in ELISA, Western Blotting. Dilution: Western Blotting: 1:1000-1:2000
Related Product Information for anti-BRCC-36 antibody	BRCC36 (BRCA1/BRCA2-containing complex, subunit 36) is a holoenzyme complex containing BRCA1, BRCA2. BRCC36 is an ubiquitin E3 ligase complex that has a role in DNA repair and enhances cellular survival following DNA damage. This protein is also thought to be involved in the cellular response to ionizing radiation and progression through the G2/M checkpoint.
Other Notes	Small volumes of anti-BRCC-36 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for BRCC-36 purchase	MBS607029 is an antibody targeting BRCC-36. Also known as BRCC-36 (BRCA1/BRCA2-containing Complex Subunit 36, BRCC36, BRCA1/BRCA2-containing Complex Subunit 3, BRCC3, C6.1A, CXorf53, RP11-143H17.2). Reactive in Human. Host: Mouse.



Testing Data of anti-BRCC-36 antibody
Cell lysates of HeLa (20ug) were resolved by SDS-PAGE, transferred to NC membrane and probed with MBS607029 (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for BRCC-36. It may not necessarily be applicable to this product.

NCBI GI #	39753936
NCBI Official Full Name	BRCA1/BRCA2-containing complex subunit 36
NCBI Summary for BRCC-36	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]
UniProt Comments for BRCC-36	BRCC3: 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. A chromosomal aberration involving BRCC3 is a cause of pro-lymphocytic T-cell leukemia (T-PLL). Translocation t(X;14)(q28;q11) with TCRA. Belongs to the peptidase M67A family. BRCC36 subfamily. 5 isoforms of the human protein are produced by alternative splicing. Protein type: Ubiquitin conjugating system; Ubiquitin-specific protease; Oncoprotein; EC 3.4.19.- Chromosomal Location of Human Ortholog: Xq28 Cellular Component: nucleoplasm; nuclear ubiquitin ligase complex; nucleus; ubiquitin ligase complex Molecular Function: protein binding; metallopeptidase activity; metal ion binding; ubiquitin-specific protease activity; polyubiquitin binding; enzyme regulator activity Biological Process: positive regulation of DNA repair; regulation of catalytic activity; double-strand break repair; response to ionizing radiation; proteolysis; G2/M transition DNA damage checkpoint; response to X-ray
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