AAA Biotech

PRODUCT DATASHEET

Catalog # **AAA48060**

Mouse anti-Human BRCC36 Monoclonal Antibody | anti-BRCC36 antibody

BRCC36 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48060	**Mouse**	**Human**	**Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot, ELISA**

PRODUCT SYNONYMS

BRCC36; Monoclonal Antibody; BRCC36 antibody; BRCA1/BRCA2-containing complex subunit 3; chromosome X open reading frame 53; C6.1A;; anti-BRCC36 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, k
Clone Number	AT3B1
Purity/Purification	By protein-G affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	316
Applicable Applications for anti-BRCC36 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant BRCC36 (1-316aa) purified from E. coli
Clone Note	Anti-human BRCC36 mAb, clone AT3B1, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human BRCC36 protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES

IF (Immunofluorescence)

ICC/IF analysis of BRCC36 in HeLa cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human BRCC36 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).

WB (Western Blot)

The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human BRCC36 (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: HeLa cell lysate Lane 2.: HepG2 cell lysate Lane 3.: 293T cell lysate Lane 4.: MCF7 cell lysate Lane 5.: NIH3T3 cell lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-BRCC36 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.
Product Categories/Family for anti-BRCC36 antibody	Ubiquitination
References	Wang Bin, et al., (2007) Proc Natl Acad Sci USA 104 (52):20759-20763; Chen Xiaowei, et al., (2006) Cancer Research 66:5039-5046 Dong Y, et al., (2003) Mol Cell 12 (5):1087-1099

NCBI AND UNIPROT INFORMATION

NCBI GI #	13236583
NCBI GeneID	79184
NCBI Accession #	NP_077308
NCBI GenBank Nucleotide #	NM_024332.3
UniProt Accession #	P46736; Q16107; Q53YX5; Q9BTZ6; A6QRF8; A6QRF9; A8MUX5; A8MWH0; A9Z1Y0; A9Z1Y5; B1B062; B4DQN7
Molecular Weight	28,027 Da
NCBI Official Full Name	lys-63-specific deubiquitinase BRCC36 isoform 1
NCBI Official Synonym Full Names	BRCA1/BRCA2-containing complex subunit 3
NCBI Official Symbol	BRCC3
NCBI Official Synonym Symbols	C6.1A; BRCC36; CXorf53
NCBI Protein Information	lys-63-specific deubiquitinase BRCC36
UniProt Protein Name	Lys-63-specific deubiquitinase BRCC36
UniProt Gene Name	**BRCC3**
UniProt Synonym Gene Names	BRCC36; C6.1A; CXorf53

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/brcc36-antibody-clone-at3b1-immunofluorescence-immunocytochemistry-flow-cytometry-western-blot-elisa/48060