

Rabbit BRCC36/BRCC3 Polyclonal Antibody | anti-BRCC3 antibody

Anti-BRCC36/BRCC3 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126398	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot

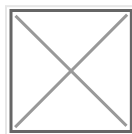
PRODUCT SYNONYMS

BRCC36/BRCC3; Polyclonal Antibody; Anti-BRCC36/BRCC3 Antibody Picoband; anti-BRCC3 antibody

PRODUCT SPECIFICATIONS

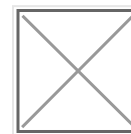
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-BRCC3 antibody	ELISA, FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human BRCC36/BRCC3 recombinant protein (Position: Q10-M276).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.

IMAGES



FCM/FACS (Flow Cytometry)

Figure 3. Flow Cytometry analysis of U87 cells using anti-BRCC36/BRCC3 antibody (AAA126398). Overlay histogram showing U87 cells stained with AAA126398 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-BRCC36/BRCC3 Antibody (AAA126398, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



IF (Immunofluorescence)

Figure 2. IF analysis of BRCC36/BRCC3 using anti-BRCC36/BRCC3 antibody (AAA126398). BRCC36/BRCC3 was detected in an immunocytochemical section of A431 cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (AR0022) for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5 ug/mL rabbit anti-BRCC36/BRCC3 Antibody (AAA126398) overnight at 4 degree C. DyLight488 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



WB (Western Blot)

Figure 1. Western blot analysis of BRCC36/BRCC3 using anti-BRCC36/BRCC3 antibody (AAA126398). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human HEK293 whole cell lysates, Lane 2: rat kidney tissue lysates, Lane 3: rat pancreas tissue lysates, Lane 4: mouse kidney tissue lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-BRCC36/BRCC3 antigen affinity purified polyclonal antibody (#AAA126398) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for BRCC36/BRCC3 at approximately 36 kDa. The expected band size for BRCC36/BRCC3 is at 36 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-BRCC3 antibody	Lys-63-specific deubiquitinase BRCC36 is an enzyme that in humans is encoded by the BRCC3 gene. 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.
Product Categories/Family for anti-BRCC3 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	20532383
NCBI GeneID	79184
UniProt Accession #	P46736; Q16107; Q53YX5; Q9BTZ6; A6QRF8; A6QRF9; A8MUX5; A8MWH0; A9Z1Y0; A9Z1Y5; B1B062; B4DQN7
Molecular Weight	316
NCBI Official Full Name	Lys-63-specific deubiquitinase BRCC36
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; BRISC complex subunit BRCC36; BRCA1-A complex subunit BRCC36; BRCA1/BRCA2-containing complex subunit 36
UniProt Protein Name	Lys-63-specific deubiquitinase BRCC36
UniProt Gene Name	BRCC3
UniProt Synonym Gene Names	BRCC36; C6.1A; CXorf53
UniProt Entry Name	BRCC3_HUMAN

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.

