

Rabbit BARD1 Polyclonal Antibody | anti-BARD1 antibody

Anti-BARD1 Antibody Picoband

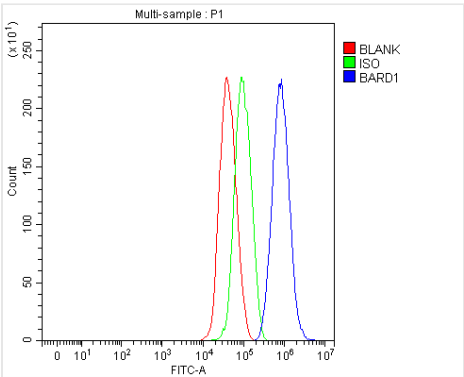
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126161	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

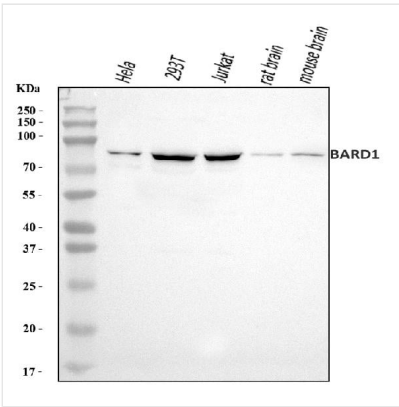
BARD1; Polyclonal Antibody; Anti-BARD1 Antibody Picoband; anti-BARD1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Natural and recombinant Rat Cxcl1
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-BARD1 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Assay Type	Sandwich
Samples	Cell culture supernatants, serum and plasma (EDTA)
Detection Range	15.6 pg/ml - 1,000 pg/ml
Sensitivity	<1 pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays): Three samples of known concentration were tested in separate assays to assess inter-assay precision.
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.



FCM/FACS (Flow Cytometry)
Figure 2. Flow Cytometry analysis of HepG2 cells using anti-BARD1 antibody (AAA126161). Overlay histogram showing HepG2 cells stained with AAA126161 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-BARD1 Antibody (AAA126161, 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.



WB (Western Blot)
Figure 1. Western blot analysis of BARD1 using anti-BARD1 antibody (AAA126161). 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 HeLa whole cell lysates, Lane 2: human 293T whole cell lysates, Lane 3: human Jurkat whole cell lysates, Lane 4: rat brain tissue lysates, Lane 5: mouse brain 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-BARD1 antigen affinity purified polyclonal antibody (#AAA126161) at 0.25 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 BARD1 at approximately 87 kDa. The expected band size for BARD1 is at 87 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-BARD1 antibody	Background: Chemokine(C-X-C motif) ligand 1(CXCL1) is a small cytokine belonging to the CXC chemokine family that was previously called GRO1 oncogene, GROalpha, KC, Neutrophil-activating protein 3(NAP-3) and melanoma growth stimulating activity, alpha(MSGA-alpha). In humans, this protein is encoded by the CXCL1 gene. The gene for CXCL1 is located on human chromosome 4 amongst genes for other CXC chemokines. The mature form of CXCL1 is maximally 73 amino acids long. CXCL1 is secreted by human melanoma cells, has mitogenic properties and is implicated in melanoma pathogenesis. CXCL1 is expressed by macrophages, neutrophils and epithelial cells, and has neutrophil chemoattractant activity. This chemokine elicits its effects by signaling through the chemokine receptor CXCR2.CXCL1 decreased the severity of multiple sclerosis and may offer a neuroprotective function.
	Principle of the Assay: The Quick Picokine™ Rat Cxcl1 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Rat Cxcl1 in cell culture supernatants, serum and plasma (EDTA). It uses our proprietary Quick ELISA technology. Quick ELISA technology employs capture antibodies conjugated to an affinity tag that is recognized by the polyclonal antibody used to coat our Quick ELISA plates. This approach to sandwich ELISA allows the formation of the antibody-analyte sandwich complex in a single step, significantly reducing assay time. The kit contains recombinant Rat Cxcl1 with immunogen: Expression system for standard: E.coli; Immunogen sequence: A25-K96. To measure Rat Cxcl1, add standards and samples to the wells, then add antibody cocktail. Wash the wells with PBS or TBS buffer, and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product is linearly proportional to Rat Cxcl1 in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Rat Cxcl1 in the sample.
Product Categories/Family for anti-BARD1 antibody	Primary Antibodies , Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	157266328
NCBI GeneID	580

NCBI Accession #	NP_000456.2
NCBI GenBank Nucleotide #	NM_000465.2
UniProt Accession #	Q99728; O43574; Q53SS5
Molecular Weight	86,648 Da
NCBI Official Full Name	BRCA1-associated RING domain protein 1
NCBI Official Synonym Full Names	BRCA1 associated RING domain 1
NCBI Official Symbol	BARD1
NCBI Protein Information	BRCA1-associated RING domain protein 1; BRCA1-associated RING domain gene 1; BRCA1 associated RING domain 1 isoform eta; BRCA1 associated RING domain 1 isoform phi; BRCA1 associated RING domain 1 isoform alfa; BRCA1 associated RING domain 1 isoform beta;
UniProt Protein Name	BRCA1-associated RING domain protein 1
UniProt Gene Name	BARD1
UniProt Synonym Gene Names	BARD-1
UniProt Entry Name	BARD1_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/bard1-antibody-flow-cytometry-western-blot-elisa/126161>