

Rabbit BRD1 Polyclonal Antibody | anti-BRD1 antibody

Anti-BRD1 Antibody Picoband

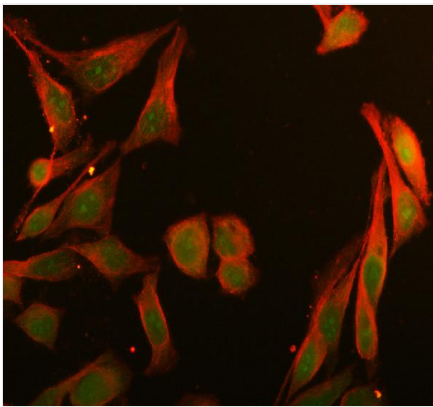
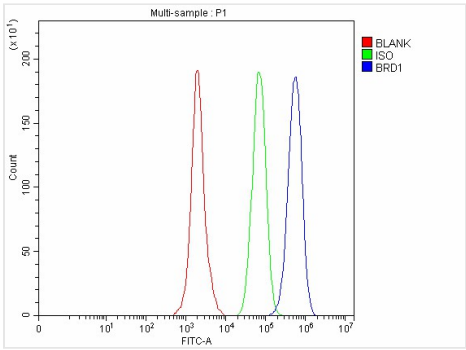
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127285	Rabbit	Human, Mouse, Rat	Flow Cytometry, Functional Assay, ELISA, Immunofluorescence, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

BRD1; Polyclonal Antibody; Anti-BRD1 Antibody Picoband; Bromodomain-containing protein 1; bromodomain containing 1; BRL; BRPF2; BR140-like protein; Bromodomain and PHD finger-containing protein 2; anti-BRD1 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 .
Applicable Applications for anti-BRD1 antibody	FCM/FACS (Flow Cytometry), ELISA, IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	E coli-derived human BRD1 recombinant protein (Position: R395-Q913). Human BRD1 shares 92.9% amino acid (aa) sequence identity with mouse BRD1.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross-reactivity with other proteins
Preparation and Storage	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.

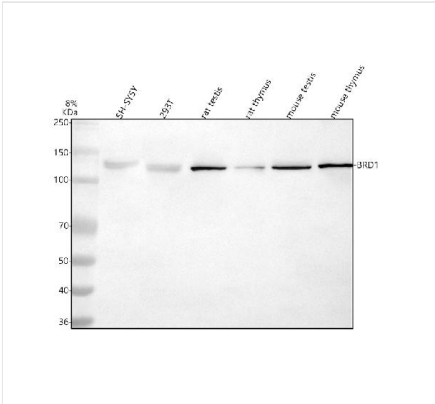


FCM/FACS (Flow Cytometry)

Figure 3. Flow Cytometry analysis of SH-SY5Y cells using anti-BRD1 antibody (AAA127285).Overlay histogram showing SH-SY5Y cells stained with AAA127285 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-BRD1 Antibody (AAA127285, 1ug/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 (1ug/1x106) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.

IF (Immunofluorescence)

Figure 2. IF analysis of BRD1 using anti-BRD1 antibody (AAA127285) and anti-Beta Tubulin antibody (M01857-3).BRD1 was detected in immunocytochemical section of HELA cell. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5ug/mL rabbit anti-BRD1 Antibody (A04887-1) and mouse anti-Beta Tubulin antibody (AAA127285) overnight at 4 degree C. DyLight488 Conjugated Goat Anti-Rabbit IgG and Cy3 Conjugated Goat Anti-Mouse IgG (BA1031) were used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37 degree C. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



WB (Western Blot)

Figure 1. Western blot analysis of BRD1 using anti-BRD1 antibody (AAA127285).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 SH-SY5Y whole cell lysates,Lane 2: human 293T whole cell lysates,Lane 3: rat testis tissue lysates,Lane 4: rat thymus tissue lysates,Lane 5: mouse testis tissue lysates,Lane 6: mouse thymus 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-BRD1 antigen affinity purified polyclonal antibody (#AAA127285) at 0.5ug/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 BRD1 at approximately 120 kDa. The expected band size for BRD1 is at 120 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-BRD1 antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-BRD1 antibody	Primary Antibodies

References	1. McCullagh, P., Chaplin, T., Meerabux, J., Grenzeliass, D., Lillington, D., Poulson, R., Gregorini, A., Saha, V., Young, B. D. The cloning, mapping and expression of a novel gene, BRL, related to the AF10 leukaemia gene. Oncogene 18: 7442-7452, 1999.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	756141031
NCBI GeneID	23774
NCBI Accession #	NP_001291737.1
NCBI GenBank Nucleotide #	NM_001304808.1
UniProt Accession #	O95696; A6ZJA4
Molecular Weight	133,243 Da
NCBI Official Full Name	bromodomain-containing protein 1 isoform 1
NCBI Official Synonym Full Names	bromodomain containing 1
NCBI Official Symbol	BRD1
NCBI Official Synonym Symbols	BRL; BRPF1; BRPF2
NCBI Protein Information	bromodomain-containing protein 1
UniProt Protein Name	Bromodomain-containing protein 1
UniProt Gene Name	BRD1
UniProt Synonym Gene Names	BRL; BRPF2
UniProt Entry Name	BRD1_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.