Rabbit BCAR4 Polyclonal Antibody | anti-BCAR4 antibody

Anti-BCAR4 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127947	**Rabbit**	**Human, Mouse, Rat**	**Flow Cytometry, Functional Assay, Western Blot**

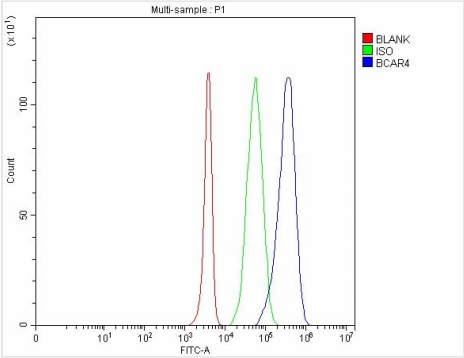
PRODUCT SYNONYMS

BCAR4; Polyclonal Antibody; Anti-BCAR4 Antibody Picoband; Breast cancer antiestrogen resistance 4 protein; breast cancer anti-estrogen resistance 4; hCG_1814062; anti-BCAR4 antibody

PRODUCT SPECIFICATIONS

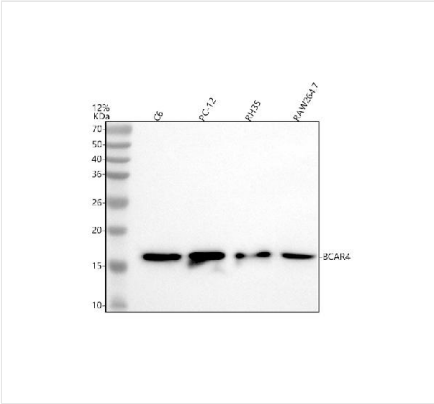
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Applicable Applications for anti-BCAR4 antibody	FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human BCAR4.
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.

IMAGES



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of 293T cells using anti-BCAR4 antibody (AAA127947).Overlay histogram showing 293T cells stained with AAA127947 (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-BCAR4 Antibody (AAA127947, 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.



WB (Western Blot)

Figure 1. Western blot analysis of BCAR4 using anti-BCAR4 antibody (AAA127947).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: rat C6 whole cell lysates,Lane 2: rat PC-12 whole cell lysates,Lane 3: rat RH35 whole cell lysates,Lane 4:mouse RAW265.7 whole cell 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-BCAR4 antigen affinity purified polyclonal antibody (#AAA127947) 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 BCAR4 at approximately 13 kDa. The expected band size for BCAR4 is at 13 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-BCAR4 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-BCAR4 antibody	Primary Antibodies
References	1. Godinho, M. F. E., Sieuwerts, A. M., Look, M. P., Meijer, D., Foekens, J. A., Dorssers, L. C. J., van Agthoven, T. Relevance of BCAR4 in tamoxifen resistance and tumour aggressiveness of human breast cancer. Brit. J. Cancer 103: 1284-1291, 2010.2. Hartz, P. A. Personal Communication. Baltimore, Md. 2/17/2011.

NCBI AND UNIPROT INFORMATION

NCBI GeneID	400500
UniProt Accession #	D3DUG6
Molecular Weight	Observed Molecular Weight: 13kDa Calculated Molecular Weight: 13kDa

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://www.aaabiotech.com/polyclonal/bcar4-antibody-flow-cytometry-western-blot-elisa/127947