

Rabbit anti-Human PRRC2C Polyclonal Antibody | anti-PRRC2C antibody

Anti-PRRC2C Antibody Picoband

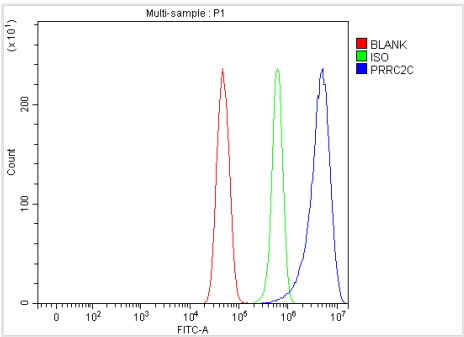
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127732	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

PRRC2C; Polyclonal Antibody; Anti-PRRC2C Antibody Picoband; eva-1 homolog A; regulator of programmed cell death; Protein eva-1 homolog A; Protein FAM176A; Transmembrane protein 166; EVA1A; FAM176A; TMEM166; SP24; anti-PRRC2C antibody

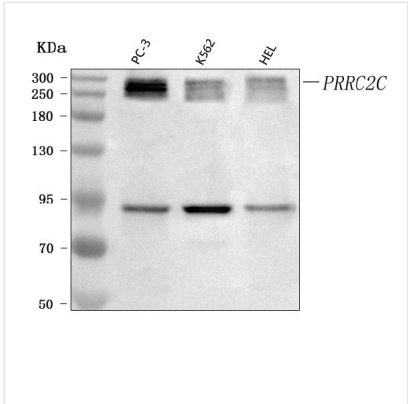
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Expressed in lung, kidney, liver, pancreas, placenta, but not in heart and skeletal muscle.
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-PRRC2C antibody	ELISA, FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	E coli-derived human PRRC2C recombinant protein (Position: H2357-D2808).
Subcellular Localization	Endoplasmic reticulum membrane, Single-pass membrane protein, Lysosome membrane
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross-reactivity with other proteins.
Protein Function	Acts as a regulator of programmed cell death, mediating both autophagy and apoptosis.
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.



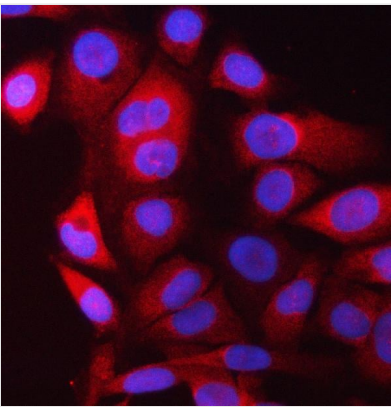
FCM/FACS (Flow Cytometry)

Figure 3. Flow Cytometry analysis of U251 cells using anti-PRRC2C antibody (AAA127732).Overlay histogram showing U251 cells stained with AAA127732 (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-PRRC2C Antibody (AAA127732, 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 (Red line) was also used as a control.



WB (Western Blot)

Figure 1. Western blot analysis of PRRC2C using anti-PRRC2C antibody (AAA127732).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 PC-3 whole cell lysates,Lane 2: human K562 whole cell lysates,Lane 3: human HEL 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-PRRC2C antigen affinity purified polyclonal antibody (#AAA127732) 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 PRRC2C at approximately 290,94 kDa. The expected band size for PRRC2C is at 317 kDa.



IF (Immunofluorescence)

Figure 2. IF analysis of PRRC2C using anti-PRRC2C antibody (AAA127732).PRRC2C was detected in an immunocytochemical section of HELA cells. 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-PRRC2C Antibody (AAA127732) overnight at 4 degree C. Cy3 Conjugated Goat Anti-Rabbit IgG (BA1032) was used as secondary antibody at 1:500 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.

ADDITIONAL INFORMATION

Related Product Information for anti-PRRC2C 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-PRRC2C antibody	Primary Antibodies; Cell Biology; Proteasome/Ubiquitin; Proteolysis/Ubiquitin; Ubiquitin E3 Enzymes

References	1. Hartz, P. A. Personal Communication. Baltimore, Md. 2/27/2017. 2. Huang, W. C., Taylor, S., Nguyen, T. B., Tomaszewski, J. E., Libertino, J. A., Malkowicz, S. B., McGarvey, T. W. KIAA1096, a gene on chromosome 1q, is amplified and overexpressed in bladder cancer. DNA Cell Biol. 21: 707-715, 2002. 3. Kikuno, R., Nagase, T., Ishikawa, K., Hirose, M., Miyajima, N., Tanaka, A., Kotani, H., Nomura, N., Ohara, O. Prediction of the coding sequences of unidentified human genes. XIV. The complete sequences of 100 new cDNA clones from brain which code for large proteins in vitro. DNA Res. 6: 197-205, 1999.
------------	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	115298682
NCBI GeneID	23215
NCBI Accession #	NP_055987.2
NCBI GenBank Nucleotide #	NM_015172.3
UniProt Accession #	Q9Y520; Q05DM8; Q49A39; Q6PD54; Q9H2N2; Q9HA05; Q9NSM8; Q9NXL3; Q9UF29; Q9UPQ6
Molecular Weight	316,911 Da
NCBI Official Full Name	protein PRRC2C
NCBI Official Synonym Full Names	proline-rich coiled-coil 2C
NCBI Official Symbol	PRRC2C
NCBI Official Synonym Symbols	XTP2; BAT2D1; BAT2L2; BAT2-iso
NCBI Protein Information	protein PRRC2C; protein BAT2-like 2; BAT2 domain containing 1; HBxAg transactivated protein 2; BAT2 domain-containing protein 1; HBV XAg-transactivated protein 2; HBV X-transactivated gene 2 protein; HLA-B associated transcript 2-like 2; HLA-B-associated
UniProt Protein Name	Protein PRRC2C
UniProt Gene Name	PRRC2C
UniProt Synonym Gene Names	BAT2D1; BAT2L2; KIAA1096; XTP2
UniProt Entry Name	PRC2C_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/polyclonal/prrc2c-antibody-flow-cytometry-immunofluorescence-immunocytochemistry-western-blot-elisa/127732>