

Rabbit anti-Human RTL3 Polyclonal Antibody | anti-RTL3 antibody

Anti-RTL3 Antibody Picoband

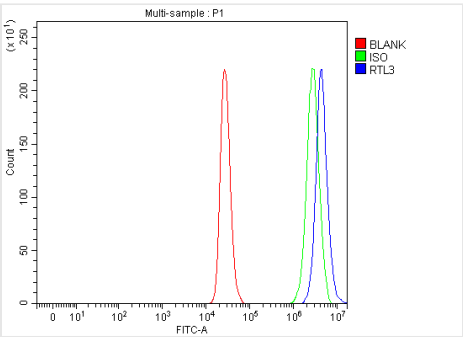
CATALOG # AAA127935	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Flow Cytometry, Functional Assay, Western Blot
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PRODUCT SYNONYMS

RTL3; Polyclonal Antibody; Anti-RTL3 Antibody Picoband; Lymphocyte antigen 6A-2/6E-1; retrotransposon Gag like 10; Protein Bop; BH3-only protein; Retrotransposon Gag-like protein 10; RTL10; BOP; C22orf29; anti-RTL3 antibody

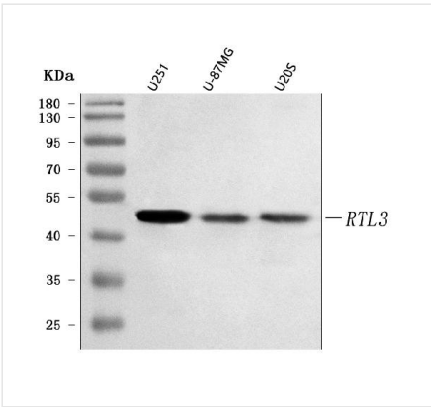
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Ubiquitously expressed.
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-RTL3 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human RTL3 recombinant protein (Position: Q168-Q475).
Subcellular Localization	Cell membrane, Lipid-anchor, GPI-anchor
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	Could induce apoptosis in a BH3 domain-dependent manner. The interaction network of Bcl-2 family members may play a key role in modulation RTL10/BOP intrinsic apoptotic signaling activity.
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 2. Flow Cytometry analysis of THP-1 cells using anti-RTL3 antibody (AAA127935). Overlay histogram showing THP-1 cells stained with AAA127935 (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-RTL3 Antibody (AAA127935, 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 RTL3 using anti-RTL3 antibody (AAA127935). 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 U251 whole cell lysates, Lane 2: human U-87MG whole cell lysates, Lane 3: human U20S 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-RTL3 antigen affinity purified polyclonal antibody (#AAA127935) 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 RTL3 at approximately 50 kDa. The expected band size for RTL3 is at 53 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-RTL3 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-RTL3 antibody	Primary Antibodies; Chemokines; Immunology; Innate Immunity
References	1. Jürgen Brandt, Schrauth, S. , Veith, A. M. , Froschauer, A. , Haneke, T. , & Schultheis, C. , et al. (2005). Transposable elements as a source of genetic innovation: expression and evolution of a family of retrotransposon-derived neogenes in mammals. Gene, 345(1), 101-111.2. Brandt, J. , Veith, A. M. , & Volff, J. N. . (2005). A family of neofunctionalized ty3/gypsy retrotransposon genes in mammalian genomes. Cytogenetic & Genome Research, 110(1-4), 307-317.3. Ota, T. , Suzuki, Y. , Nishikawa, T. , Otsuki, T. , & Sugano, S. . (2004). Complete sequencing and characterization of 21,243 full-length human cdnas. Nature Genetics, 36(1), 40-45.

NCBI AND UNIPROT INFORMATION

NCBI GI #	22749387
NCBI GeneID	203430
NCBI Accession #	NP_689907.1
NCBI GenBank Nucleotide #	NM_152694.2
UniProt Accession #	Q8N8U3; Q5JQE9; B2RMZ0
Molecular Weight	52,817 Da
NCBI Official Full Name	zinc finger CCHC domain-containing protein 5
NCBI Official Synonym Full Names	zinc finger, CCHC domain containing 5
NCBI Official Symbol	ZCCHC5

NCBI Official Synonym Symbols	Mar3; ZHC5; Mart3
NCBI Protein Information	zinc finger CCHC domain-containing protein 5; mammalian retrotransposon-derived 3
UniProt Protein Name	Zinc finger CCHC domain-containing protein 5
UniProt Gene Name	ZCCHC5
UniProt Entry Name	ZCHC5_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://www.aaabiotech.com/polyclonal/rtl3-antibody-flow-cytometry-western-blot-elisa/127935>