

Rabbit anti-Human RTF2 Polyclonal Antibody | anti-RTF2 antibody

Anti-RTF2 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127896	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot

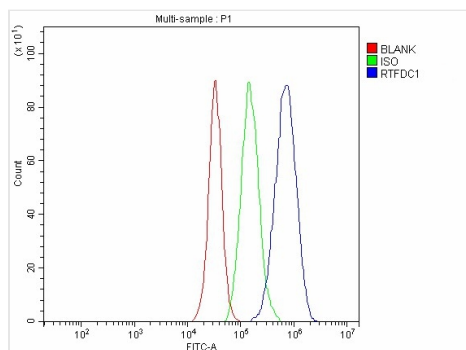
PRODUCT SYNONYMS

RTF2; Polyclonal Antibody; Anti-RTF2 Antibody Picoband; anti-RTF2 antibody

PRODUCT SPECIFICATIONS

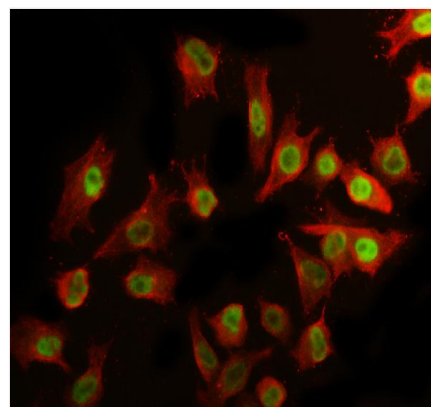
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-RTF2 antibody	ELISA, FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	E coli-derived human RTF2 recombinant protein (Position: D4-F306). Human RTF2 shares 87.8% and 88.1% amino acid (aa) sequence identity with mouse and rat RTF2, respectively.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
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



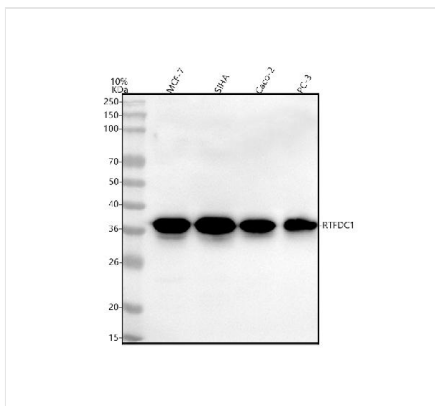
FCM/FACS (Flow Cytometry)

Figure 3. Flow Cytometry analysis of U87 cells using anti-RTF2 antibody (AAA127896). Overlay histogram showing U87 cells stained with AAA127896 (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-RTF2 Antibody (AAA127896, 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 RTF2 using anti-RTF2 antibody (AAA127896) and anti-Beta Tubulin antibody (M01857-3). RTF2 was detected in immunocytochemical section of A549 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-RTF2 Antibody (AAA127896) and mouse anti-Beta Tubulin antibody (M01857-3) overnight at 4 degree C. DyLight488 Conjugated Goat Anti-Rabbit IgG and DyLight594 Conjugated Goat Anti-Mouse IgG (BA1141) 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 RTF2 using anti-RTF2 antibody (AAA127896). 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 MCF-7 whole cell lysates, Lane 2: human SiHa whole cell lysates, Lane 3: human Caco-2 whole cell lysates, Lane 4: human PC-3 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-RTF2 antigen affinity purified polyclonal antibody (#AAA127896) 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 RTF2 at approximately 37 kDa. The expected band size for RTF2 is at 34 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-RTF2 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-RTF2 antibody	Primary Antibodies
References	1. Chia, B. S., Li, B., Cui, A., Eisenhaure, T., Raychowdhury, R., Lieb, D., & Hacohen, N. (2020). Loss of the nuclear protein RTF2 enhances influenza virus replication. <i>Journal of Virology</i>, 94(22), 10-1128. 2. Suo, D., Wang, L., Zeng, T., Zhang, H., Li, L., Liu, J., ... & Li, Y. (2020). NRIP3 upregulation confers resistance to chemoradiotherapy in ESCC via RTF2 removal by accelerating ubiquitination and degradation of RTF2. <i>Oncogenesis</i>, 9(8), 75. 3. Kottmann, M. C., Conti, B. A., Lach, F. P., & Smogorzewska, A. (2018). Removal of RTF2 from stalled replisomes promotes maintenance of genome integrity. <i>Molecular cell</i>, 69(1), 24-35.

NCBI AND UNIPROT INFORMATION

NCBI GI #	193788722
NCBI GeneID	51507
NCBI Accession #	NP_057491
NCBI GenBank Nucleotide #	NM_016407.3
UniProt Accession #	Q9BY42 ; Q9BYL7 ; Q9HCV9 ; Q9NX29 ; Q9NZZ8 ; Q9P002 ; Q9UHW3 ; E1P5Z9
Molecular Weight	33,887 Da
NCBI Official Full Name	protein RTF2 homolog isoform b
NCBI Official Synonym Full Names	replication termination factor 2 domain containing 1
NCBI Official Symbol	RTFDC1

NCBI Official Synonym Symbols	CDAO5; HSPC164; C20orf43; SHUJUN-3
NCBI Protein Information	protein RTF2 homolog
UniProt Protein Name	Protein RTF2 homolog
UniProt Gene Name	RTFDC1
UniProt Synonym Gene Names	C20orf43
UniProt Entry Name	RTF2_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/rtf2-antibody-flow-cytometry-immunofluorescence-immunocytochemistry-western-blot-elisa/127896>