

Rabbit anti-Human RUFY1 Polyclonal Antibody | anti-RUFY1 antibody

Anti-RUFY1 Antibody Picoband

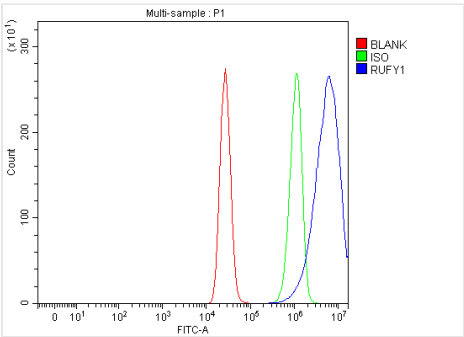
CATALOG # AAA127635	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Flow Cytometry, Functional Assay, Western Blot
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PRODUCT SYNONYMS

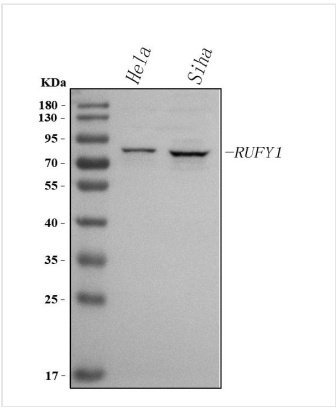
RUFY1; Polyclonal Antibody; Anti-RUFY1 Antibody Picoband; Protein NDRG3; N-myc downstream-regulated gene 3 protein; NDRG3; anti-RUFY1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Ubiquitous.Highly expressed in brain.
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-RUFY1 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human RUFY1 recombinant protein (Position: L20-Q650).
Subcellular Localization	Membrane, Single-pass type I membrane protein
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	Promotes the growth of epithelial cells. May stimulate the phosphorylation of EGFR and mitogen-activated protein kinases.
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 MCF-7 cells using anti-RUFY1 antibody (AAA127635). Overlay histogram showing MCF-7 cells stained with AAA127635 (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-RUFY1 Antibody (AAA127635, 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 RUFY1 using anti-RUFY1 antibody (AAA127635). 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 HeLa whole cell lysates, Lane 2: human SiHa 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-RUFY1 antigen affinity purified polyclonal antibody (#AAA127635) 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 RUFY1 at approximately 80 kDa. The expected band size for RUFY1 is at 80 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-RUFY1 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-RUFY1 antibody	Primary Antibodies; Cancer; Cell Biology; Cell Cycle; Cell Differentiation; Tumor Biomarkers
References	1. Yang, J., Kim, O., Wu, J., Qiu, Y. Interaction between tyrosine kinase Etk and a RUN domain- and FYVE domain-containing protein RUFY1: a possible role of ETK in regulation of vesicle trafficking. J. Biol. Chem. 277: 30219-30226, 2002.

NCBI AND UNIPROT INFORMATION

NCBI GI #	94721332
NCBI GeneID	80230
NCBI Accession #	NP_001035541.1
NCBI GenBank Nucleotide #	NM_001040451.2
UniProt Accession #	Q96T51; Q59FF3; Q71S93; Q9H6I3
Molecular Weight	79,818 Da
NCBI Official Full Name	RUN and FYVE domain-containing protein 1 isoform b
NCBI Official Synonym Full Names	RUN and FYVE domain containing 1
NCBI Official Symbol	RUFY1
NCBI Official Synonym Symbols	RABIP4; ZFYVE12

NCBI Protein Information	RUN and FYVE domain-containing protein 1; la-binding protein 1; FYVE-finger protein EIP1; rab4-interacting protein; zinc finger FYVE domain-containing protein 12
UniProt Protein Name	RUN and FYVE domain-containing protein 1
UniProt Gene Name	RUFY1
UniProt Synonym Gene Names	RABIP4; ZFYVE12
UniProt Entry Name	RUFY1_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://stage.aaabiotech.com/polyclonal/rufy1-antibody-flow-cytometry-western-blot-elisa/127635>