

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

Anti-RRAS Antibody Picoband

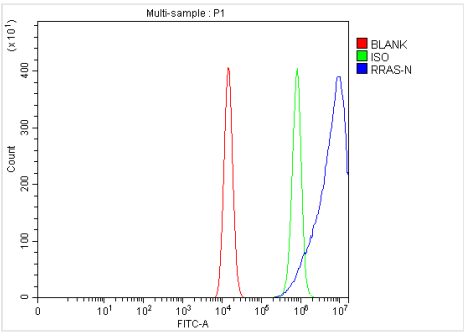
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127227	Rabbit	Human	Western Blot, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

RRAS; Polyclonal Antibody; Anti-RRAS Antibody Picoband; interleukin 3 receptor subunit alpha; Interleukin-3 receptor subunit alpha; IL-3 receptor subunit alpha; IL-3R subunit alpha; IL-3R-alpha; IL-3RA; CD123; IL3RA; IL3R; anti-RRAS antibody

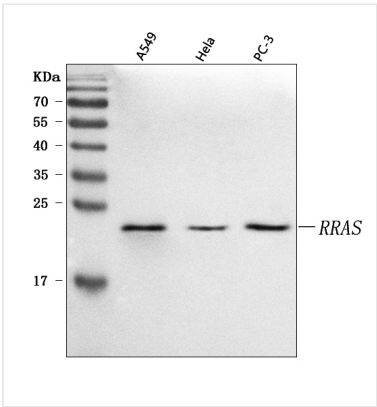
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	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-RRAS antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), ELISA
Immunogen	E coli-derived human RRAS recombinant protein (Position: E95-Q194).
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	This is a receptor for interleukin-3.
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 HEL cells using anti-RRAS antibody (AAA127227).Overlay histogram showing HEL cells stained with AAA127227 (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-RRAS Antibody (AAA127227, 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 RRAS using anti-RRAS antibody (AAA127227).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 A549 whole cell lysates,Lane 2: human HeLa whole cell lysates,Lane 3: 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-RRAS antigen affinity purified polyclonal antibody (#AAA127227) 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 RRAS at approximately 23 kDa. The expected band size for RRAS is at 23 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-RRAS 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-RRAS antibody	Primary Antibodies; Adaptive Immunity; B Cells; Hematopoietic Progenitors; Immunoglobulins; Immunology; Lymphoid; Receptors; Stem Cells
References	1. Komatsu, M., Ruoslahti, E. R-Ras is a global regulator of vascular regeneration that suppresses intimal hyperplasia and tumor angiogenesis. Nature Med. 11: 1346-1350, 2005. 2. Lowe, D. G., Capon, D. J., Delwart, E., Sakaguchi, A. Y., Naylor, S. L., Goeddel, D. V. Structure of the human and murine R-ras genes, novel genes closely related to ras proto-oncogenes. Cell 48: 137-146, 1987.3. Oinuma, I., Ishikawa, Y., Katoh, H., Negishi, M. The semaphorin 4D receptor plexin-B1 is a GTPase activating protein for R-Ras. Science 305: 862-865, 2004.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5454028
NCBI GeneID	6237
NCBI Accession #	NP_006261.1
NCBI GenBank Nucleotide #	NM_006270.3
UniProt Accession #	P10301; Q6FH12
Molecular Weight	23,480 Da
NCBI Official Full Name	ras-related protein R-Ras
NCBI Official Synonym Full Names	related RAS viral (r-ras) oncogene homolog
NCBI Official Symbol	RRAS

NCBI Protein Information	ras-related protein R-Ras; Oncogene RRAS; p23
UniProt Protein Name	Ras-related protein R-Ras
UniProt Gene Name	RRAS
UniProt Entry Name	RRAS_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/rras-antibody-western-blot-flow-cytometry-elisa/127227>