

Mouse anti-Human RalA/RalB Monoclonal Antibody | anti-RalA antibody

RalA/RalB

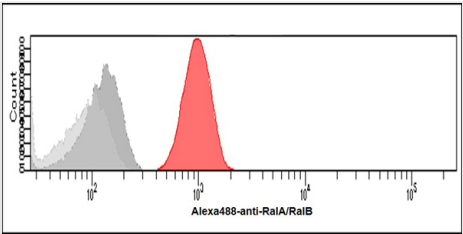
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48353	Mouse	Human	Flow Cytometry, Functional Assay, Western Blot, ELISA

PRODUCT SYNONYMS

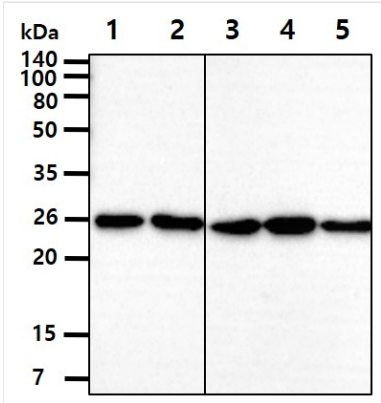
RalA/RalB; Monoclonal Antibody; Ras-related protein Ral-A; RAL; Ras-related protein Ral-B; anti-RalA antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b kappa
Clone Number	AT41E2
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% Glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	206
Applicable Applications for anti-RalA antibody	FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human RALA (1-203aa) purified from E. coli
Conjugation	Unconjugated
Preparation and Storage	Can be stored at 2 degree C to 8 degree C for 1 week. For long term storage, aliquot and store at -20 degree C to -80 degree C. Avoid repeated freezing and thawing cycles.



FCM/FACS (Flow Cytometry)
Flow cytometry analysis of RalA/RalB in HeLa cells. The cell was stained at 2-5ug for 1x10⁶ cells (red). A Goat anti mouse IgG (Alexa fluor 488) was used as the secondary antibody. Mouse monoclonal IgG was used as the isotype control (dark gray), cells without incubation with primary and secondary antibody was used as the negative control (light gray).



WB (Western Blot)
The recombinant proteins (50ng) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human RalA/RalB antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: Recombinant human RalA protein Lane 2.: Recombinant human RalB protein

ADDITIONAL INFORMATION

Related Product Information for anti-RalA antibody	RalA and RalB belong to subfamily of Ras-related GTPases. This protein mediates a distinct downstream signaling pathway from Ras that facilitates cellular transformation. It is also thought to be involved in numerous signaling cascades, including regulation of the cytoskeleton, vesicletrafficking, and endocytosis. RalA and RalB share 85% identity.
Product Categories/Family for anti-RalA antibody	Epigenetics and Nuclear Signaling; Signal Transduction
References	Balasubramanian N., et al. (2009) Curr. Biol. 20:75-79.; Hunt MC., et al. (2005) J Lipid Res. 46, 2029-32.; Wildey G.M., et al. (1993), Biochem. Biophys. Res. Comm., 194: 552-559.; Jullien-Flores V., et al. (1995). J. Biol. Chem. 270: 22473-22477.

NCBI AND UNIPROT INFORMATION

NCBI GI #	33946329
NCBI GeneID	5898
NCBI Accession #	NP_005393
NCBI GenBank Nucleotide #	NP_005393.2
UniProt Accession #	P11233
NCBI Official Full Name	ras-related protein Ral-A
NCBI Official Synonym Full Names	RAS like proto-oncogene A
NCBI Official Symbol	RALA
NCBI Official Synonym Symbols	RAL
NCBI Protein Information	ras-related protein Ral-A
UniProt Protein Name	Ras-related protein Ral-A
UniProt Gene Name	RALA
UniProt Synonym Gene Names	RAL
UniProt Entry Name	RALA_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/monoclonal/rala-ralb-antibody-clone-at41e2-flow-cytometry-western-blot-elisa/48353>