

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

RALA Antibody

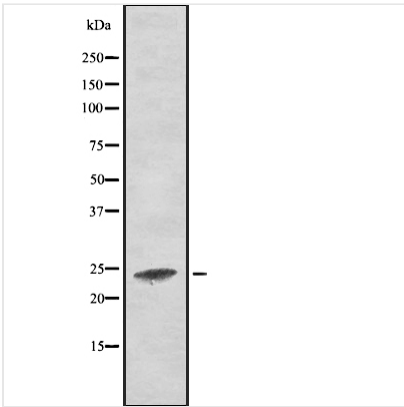
CATALOG # AAA327367	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
-------------------------------	-----------------------	----------------------------	--

PRODUCT SYNONYMS

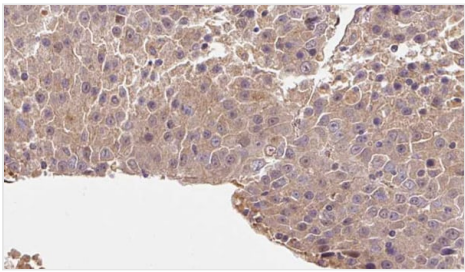
RALA; Polyclonal Antibody; RALA Antibody; MGC48949; Ral a; Ral A protein; RAL; RALA_HUMAN; Ras family small GTP binding protein RALA; RAS like protein A; Ras related protein RalA; Ras-related protein Ral-A; v ral simian leukemia viral oncogene homolog A (ras related); v ral simian leukemia viral oncogene homolog A; anti-RALA antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	RALA antibody detects endogenous levels of total RALA
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	206
Applicable Applications for anti-RALA antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human RALA
Subcellular Location	Cell Membrane
Tissue Specificity	Activated in an LPA-dependent manner by LPAR1 and in an LPA-independent manner by LPAR2.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



WB (Western Blot)
Western blot analysis of RALA using MCF7 whole lysates.



IHC (Immunohistochemistry)
AAA327367 at 1/100 staining Human liver cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-RALA antibody	Function: Multifunctional GTPase involved in a variety of cellular processes including gene expression, cell migration, cell proliferation, oncogenic transformation and membrane trafficking. Accomplishes its multiple functions by interacting with distinct downstream effectors. Acts as a GTP sensor for GTP-dependent exocytosis of dense core vesicles. The RALA-exocyst complex regulates integrin-dependent membrane raft exocytosis and growth signaling (PubMed:20005108). Key regulator of LPAR1 signaling and competes with GRK2 for binding to LPAR1 thus affecting the signaling properties of the receptor. Required for anchorage-independent proliferation of transformed cells (PubMed:19306925). During mitosis, supports the stabilization and elongation of the intracellular bridge between dividing cells. Cooperates with EXOC2 to recruit other components of the exocyst to the early midbody (PubMed:18756269). Subunit Structure: Interacts (via effector domain) with RALBP1 (PubMed:7673236). Interacts with EXOC2/Sec5 and EXOC8/Exo84; binding to EXOC2 and EXOC8 is mutually exclusive (PubMed:14525976, PubMed:18756269, PubMed:15920473). Interacts with Clostridium exoenzyme C3 (PubMed:16177825, PubMed:15809419). Interacts with RALGPS1 (PubMed:10747847). Interacts with LPAR1 and LPAR2. Interacts with GRK2 in response to LPAR1 activation. RALA and GRK2 binding to LPAR1 is mutually exclusive (PubMed:19306925). Interacts with CDC42 (By similarity). Post-translational Modifications: Prenylation is essential for membrane localization. The geranylgeranylated form and the farnesylated mutant do not undergo alternative prenylation in response to geranylgeranyltransferase I inhibitors (GGTIs) and farnesyltransferase I inhibitors (FTIs). Similarity: Belongs to the small GTPase superfamily. Ras family.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	33946329
NCBI GeneID	5898
NCBI Accession #	NP_005393.2
NCBI GenBank Nucleotide #	NM_005402.3
UniProt Accession #	P11233; A4D1W3
Molecular Weight	Observed: 24 kDa Predicted: 24 kDa
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

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/rala-antibody-immunohistochemistry-western-blot-elisa/327367>