

Rabbit RRAGC Polyclonal Antibody | anti-RRAGC antibody

RRAGC Antibody

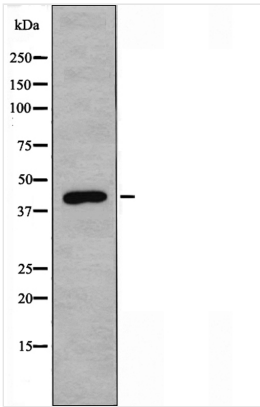
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325046	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

RRAGC; Polyclonal Antibody; RRAGC Antibody; AU041672; FLJ13311; GTPase interacting protein 2; GTPase-interacting protein 2; GTR2; MGC47404; OTTHUMP00000000548; Rag C; Rag C protein; RAGC; Ras related GTP binding C; Ras-related GTP-binding protein C; RP23 29H22.4; RRAGC_HUMAN; TIB929; YGR163W; anti-RRAGC antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	RRAGC antibody detects endogenous levels of total RRAGC
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	365
Applicable Applications for anti-RRAGC antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cytoplasm. Nucleus. Lysosome. Predominantly Cytoplasmic. May shuttle between the cytoplasm and nucleus, depending on the bound nucleotide state of associated RRAGA.
Predicted Cross Reactivity	Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (92%), Xenopus (80%)
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 extracts from LOVO cells using RRAGC antibody.



IF (Immunofluorescence)

AAA325046 staining HepG2 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-RRAGC antibody	Function: Guanine nucleotide-binding protein forming heterodimeric Rag complexes required for the amino acid-induced relocalization of mTORC1 to the lysosomes and its subsequent activation by the GTPase RHEB. This is a crucial step in the activation of the TOR signaling cascade by amino acids. Subunit Structure: Forms a heterodimer with RRAGA, in a sequence-independent manner, and RRAGB. Heterodimerization stabilizes proteins of the heterodimer. In complex with RRAGA or RRAGB, interacts with RPTOR; this interaction is particularly efficient with GTP-loaded RRAGB and GDP-loaded RRAGC. Interacts with NOL8. Interacts with SH3BP4; the interaction with this negative regulator is most probably direct, preferentially occurs with the inactive GDP-bound form of RRAGB, is negatively regulated by amino acids and prevents interaction with RPTOR (PubMed:11073942, PubMed:14660641, PubMed:18497260, PubMed:22575674). The Rag heterodimer interacts with SLC38A9; the probable amino acid sensor (PubMed:25561175, PubMed:25567906). Interacts with SESN1, SESN2 AND SESN3 (PubMed:25259925). Similarity: Belongs to the GTR/RAG GTP-binding protein family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	427918102
NCBI GeneID	64121
NCBI Accession #	NP_001258780.1
NCBI GenBank Nucleotide #	NM_001271851.1
UniProt Accession #	Q9HB90; Q9H202; Q9H8Q8
Molecular Weight	Observed: 44 kD Predicted: 45 kDa
NCBI Official Full Name	ras-related GTP-binding protein C isoform 2
NCBI Official Synonym Full Names	Ras related GTP binding C
NCBI Official Symbol	RRAGC
NCBI Official Synonym Symbols	GTR2; RAGC; TIB929
NCBI Protein Information	ras-related GTP-binding protein C
UniProt Protein Name	Ras-related GTP-binding protein C
UniProt Gene Name	RRAGC
UniProt Synonym Gene Names	Rag C; RagC

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/rragc-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/325046>