



Rabbit Anti-RRAGC antibody

SL10097R

Product Name:	RRAGC
Chinese Name:	RAS相关GTPBinding proteinC抗体
Alias:	RAGC; TIB929; YGR163W; GTPase interacting protein 2; GTPase-interacting protein 2; GTR2; Rag C; Rag C protein; Ras related GTP binding C; Ras-related GTP-binding protein C; RP23 29H22.4; RRAGC; RRAGC_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	44kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human RRAGC:301-399/399
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	This gene encodes a member of the GTR/RAG GTP-binding protein family. The encoded protein is a monomeric guanine nucleotide-binding protein which forms a heterodimer with RRAGA and RRAGB and is primarily localized to the cytoplasm. The encoded protein promotes intracellular localization of the mTOR complex. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2012].

Function:

Has guanine nucleotide-binding activity but weak intrinsic GTPase activity. Probably 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:

Forms a heterodimer with RRAGA in a sequence-independent manner. Binds GTP. Interacts with NOL8 and RRAGB.

Subcellular Location:

Cytoplasm. Nucleus. Lysosome. Note=Predominantly cytoplasmic. May shuttle between the cytoplasm and nucleus, depending on the bound nucleotide state of associated RRAGA.

Similarity:

Belongs to the GTR/RAG GTP-binding protein family.

SWISS:

Q9HB90

Gene ID:

64121

Database links:

[Entrez Gene: 64121](#)Human

[Entrez Gene: 54170](#)Mouse

[Entrez Gene: 100528436](#)Pig

[Entrez Gene: 298514](#)Rat

[Oimim: 608267](#)Human

[SwissProt: Q9HB90](#)Human

[SwissProt: Q99K70](#)Mouse

[Unigene: 532461](#)Human

[Unigene: 220922](#)Mouse

[Unigene: 473825](#)Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human,

	therapeutic or diagnostic applications.
--	---

www.sunlongbiotech.com