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# Datasheet for ABIN6259340 anti-RRAGA/B antibody

Image



#### Overview

Quantity:	100 µL
Target:	RRAGA/B
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RRAGA/B antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunocytochemistry (ICC), Immunofluorescence (IF)

## Product Details

Immunogen:	A synthesized peptide
Isotype:	lgG
Specificity:	RRAGA/B Antibody detects endogenous levels of total RRAGA/B
Cross-Reactivity:	Human, Mouse (Murine), Rat (Rattus)
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink $^{TM}$ Coupling
	Resin (Thermo Fisher Scientific).

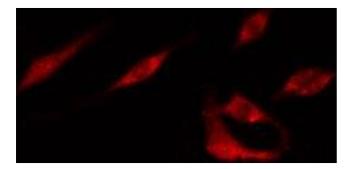
### Target Details

Target:	RRAGA/B
Alternative Name:	RRAGA/B (RRAGA/B Products)
Background:	Description: Guanine nucleotide-binding protein that plays a crucial role in the cellular response

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	to amino acid availability through regulation of the mTORC1 signaling cascade. Forms
	heterodimeric Rag complexes with RRAGC or RRAGD and cycles between an inactive GDP-
	bound and an active GTP-bound form. In its active form participates in the relocalization of
	mTORC1 to the lysosomes and its subsequent activation by the GTPase RHEB. Involved in the
	RCC1/Ran-GTPase pathway. May play a direct role in a TNF-alpha signaling pathway leading to
	induction of cell death. May alternatively act as a cellular target for adenovirus E3-14.7K, an
	inhibitor of TNF-alpha functions, thereby affecting cell death.
	Gene: RRAGA
Molecular Weight:	34 kDa
Gene ID:	10670
UniProt:	Q7L523, Q5VZM2
Application Details	
Application Notes:	WB 1:500~1:1000, IF/ICC 1:100-1:500
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20 °C.Stable for 12 months from date of receipt
Expiry Date:	12 months

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#### Immunofluorescence (fixed cells)

**Image 1.** ABIN6275456 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 25jaC. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37jaC. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody(Cat.# S0006), diluted at 1/600, was used as secondary antibod

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