

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

Anti-RRAGB Antibody, Rabbit Polyclonal

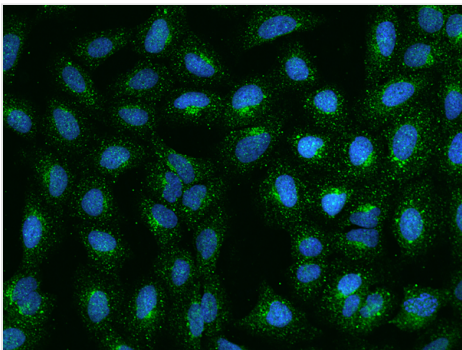
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA256598	Rabbit	Human	Immunofluorescence, Immunocytochemistry, Immunohistochemistry

PRODUCT SYNONYMS

RRAGB; Polyclonal Antibody; Anti-RRAGB Antibody; Rabbit Polyclonal; RRAGB Antibody; Rabbit PAb; Antigen Affinity Purified; Ras-related GTP binding B; Anti-bA465E19.1 Antibody; Anti-RAGB Antibody; anti-RRAGB antibody

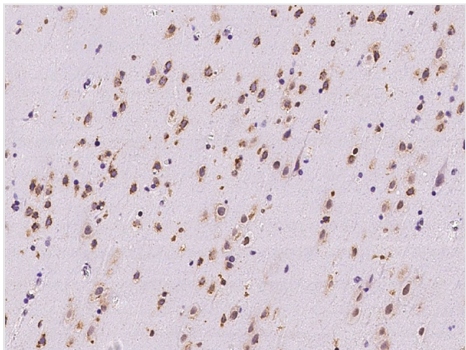
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human RRAGB
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-RRAGB antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry)
Immunogen	E Coli-derived Human RRAGB fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human RRAGB fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.



IF (Immunofluorescence)

Immunofluorescence staining of RRAGB in U2OS cells. Cells were fixed with 4% PFA, permeabilized with 0.1% Triton X-100 in PBS,blocked with 10% serum, and incubated with rabbit anti-Human RRAGB polyclonal antibody (dilution ratio 1:200) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue).Positive staining was localized to Cytoplasm.



IHC (Immunohistochemistry)

Immunochemical staining of human RRAGB in human brain with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-RRAGB antibody	RRAGB (Ras Related GTP Binding B) is a Protein Coding gene. The RRAGB gene, located on Xp11.21, is conserved in chimpanzee, Rhesus monkey, dog, cow, mouse, fruit fly, mosquito, and C.elegans. All GTPases of the Ras superfamily have in common the presence of six conserved motifs involved in GTP/GDP binding, three of which are phosphate-/magnesium-binding sites (PM1-PM3) and three of which are guanine nucleotide-binding sites (G1-G3). Transcript variants encoding distinct isoforms have been identified. RRAGB is widely expressed in the brain, thyroid, and other tissues. Diseases associated with RRAGB include Polycystic Echinococcosis and Cystic Echinococcosis. Among its related pathways are Signaling by GPCR and RET signaling.
References	Schurmann A, et al. (1995) Cloning of a novel family of mammalian gtp-binding proteins (raga, ragbs, ragb1) with remote similarity to the ras-related gtpases. J Biol Chem 270 (48): 28982-28988.Hirose E, et al. (1998) Raga is a functional homologue of s. Cerevisiae gtr1p involved in the ran/gsp1-gtpase pathway. J Cell Sci 111 (Pt 1) 11-21.Duran RV, et al. (2012) Glutaminolysis activates rag-mtorc1 signaling. Mol Cell 47 (3): 349-358.

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.