

ARG43876 anti-RAB39A/B antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes RAB39A and RAB39B
Tested Reactivity	Hu
Tested Application	ELISA, FACS, ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Target Name	RAB39A / RAB39B
Species	Human
Immunogen	Human RAB39A/B recombinant protein
Conjugation	Un-conjugated
Alternate Names	RAB39A; RAB39A, Member RAS Oncogene Family; RAB39; RAB39, Member RAS Oncogene Family; Rab-Related GTP-Binding Protein; Ras-Related Protein Rab-39A; Rab-39; K28;RAB39B; RAB39B, Member RAS Oncogene Family; Ras-Related Protein Rab-39B; Waisman Syndrome; MRX72; WSN; Mental Retardation, X-Linked 72; XLID72; BGMR; WSMN

Application Instructions

Application table	Application	Dilution
	ELISA	0.1-0.5 µg/ml
	FACS	1-3 µg / 10 ⁶ cells
	ICC/IF	5 µg/ml
	WB	0.25-0.5 µg/ml

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

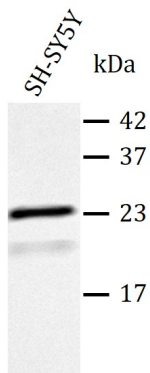
Properties

Form	Liquid
Buffer	0.9% NaCl, 0.2% Na ₂ HPO ₄ and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

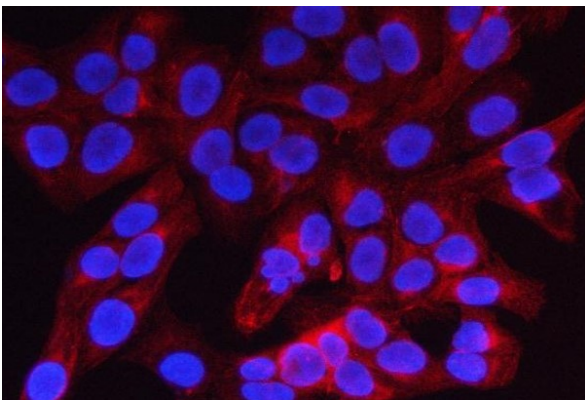
Gene Symbol	RAB39A / RAB39B
Gene Full Name	RAB39A, Member RAS Oncogene Family / RAB39B, Member RAS Oncogene Family
Background	Predicted to enable GTPase activity. Involved in phagosome acidification and phagosome-lysosome fusion. Located in phagocytic vesicle. [provided by Alliance of Genome Resources, Apr 2022]
Function	Plays a role in the maturation and acidification of phagosomes that engulf pathogens, such as S.aureus and M.tuberculosis. Plays a role in vesicular trafficking. Plays a role in the fusion of phagosomes with lysosomes. Negatively regulates LPS-induced autophagosome formation in macrophages possibly by implicating PI3K.
Calculated Mw	20~25 kDa
PTM	Lipoprotein, Methylation Prenylation
Cellular Localization	Cell membrane, Cytoplasmic vesicle, Lysosome, Membrane

Images



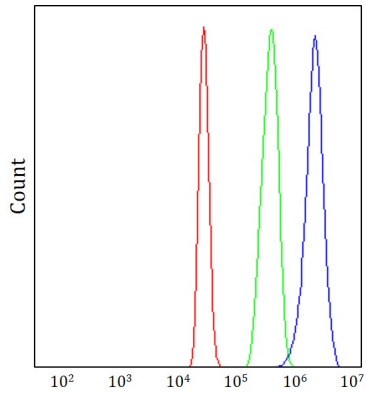
ARG43876 anti-RAB39A/B antibody WB image

Western blot: HeLa, SH-SY5Y stained with ARG43876 anti-RAB39A/B antibody at 1:5000 dilution.



ARG43876 anti-RAB39A/B antibody ICC/IF image

Immunofluorescence: U2OS cells stained with ARG43876 anti-RAB39A/B antibody at 1:500 dilution.



ARG43876 anti-RAB39A/B antibody FACS image

Flow Cytometry: 293T cells stained with ARG43876 anti-RAB39A/B antibody (blue) at $1 \mu\text{g}/1 \times 10^6$ cells dilution.