

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
Isotype	IgG
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
Purification	Affinity purified with Immunogen.
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.

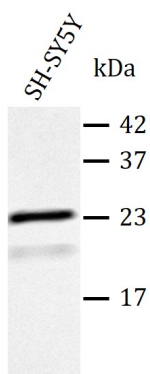
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

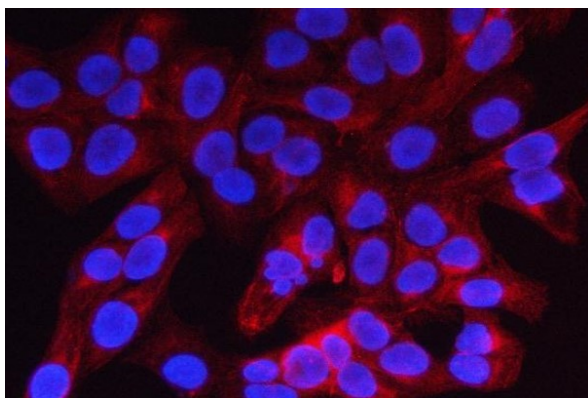
Gene Symbol	RAB39A / RAB39B
Gene Full Name	RAB39A, Member RAS Oncogene Family / RAB39B, Member RAS Oncogene Family
Background	Predicted to enable GTPase activity. Involved in phagosome acidification and phagosome-lysosome fusion. Located in phagocytic vesicle. [provided by Alliance of Genome Resources, 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



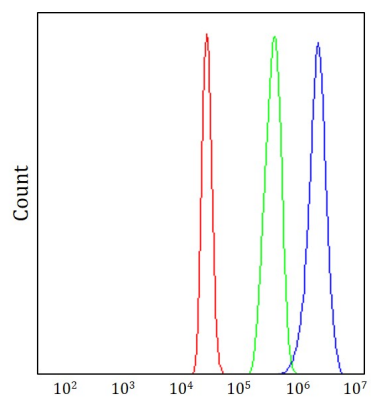
ARG43876 anti-RAB39A/B antibody WB image

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 $1\text{ }\mu\text{g}/1\times 10^6$ cells dilution.