

ARG45312 anti-RUFY4 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Polyclonal antibody recognizes RUFY4
Tested Reactivity	Hu, Mk
Tested Application	FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Target Name	RUFY4
Species	Human
Immunogen	Recombinant protein containing to human RUFY4.
Conjugation	Un-conjugated
Alternate Names	RUFY4; RUN And FYVE Domain Containing 4; ZFYVE31; RUN And FYVE Domain-Containing Protein 4; FLJ46536

Application Instructions

Application table	Application	Dilution
	FACS	1 - 3 µg/10 ⁶ cells
	IHC-P	2-5 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.	
Observed Size	64 kDa	

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na ₂ HPO ₄ , 0.9% NaCl 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.

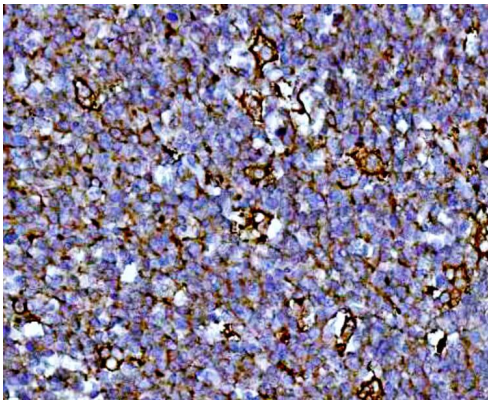
Note

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

Bioinformation

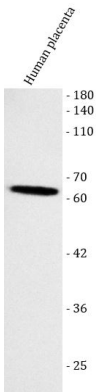
Gene Symbol	RUFY4
Gene Full Name	RUN And FYVE Domain Containing 4
Background	Enables phosphatidylinositol-3-phosphate binding activity. Involved in autophagosome assembly; cellular response to interleukin-4; and positive regulation of macroautophagy. Located in autophagosome. [provided by Alliance of Genome Resources, Nov 2024]
Function	Positively regulates macroautophagy in primary dendritic cells. Increases autophagic flux, probably by stimulating both autophagosome formation and facilitating tethering with lysosomes. Binds to phosphatidylinositol 3-phosphate (PtdIns3P) through its FYVE-type zinc finger. [UniProt]
Calculated Mw	64 kDa
Cellular Localization	Cytoplasmic vesicle. [UniProt]

Images



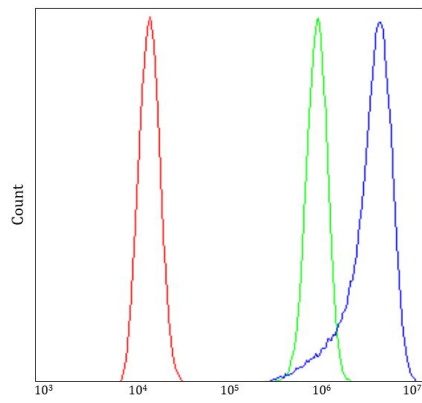
ARG45312 anti-RUFY4 antibody IHC-P image

Immunohistochemistry: Human tonsil stained with ARG45312 anti-RUFY4 antibody at 2 µg/ml dilution.



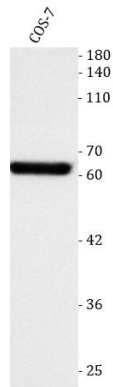
ARG45312 anti-RUFY4 antibody WB image

Western blot: Human placenta stained with ARG45312 anti-RUFY4 antibody at 0.5 µg/ml dilution.



ARG45312 anti-RUFY4 antibody FACS image

Flow Cytometry: HEL stained with ARG45312 anti-RUFY4 antibody at 1 µg/10⁶ cells dilution.



ARG45312 anti-RUFY4 antibody WB image

Western blot: COS-7 stained with ARG45312 anti-RUFY4 antibody at 0.5 µg/ml dilution.