ARG45476
anti-FYCO1 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes FYCO1
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, IHC-P, WB
Specificity	FYCO1
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	FYCO1
Species	Human
Immunogen	Recombinant protein containing to human FYCO1.
Conjugation	Un-conjugated
Alternate Names	FYCO1; FYVE And Coiled-Coil Domain Autophagy Adaptor 1; ZFYVE7; FYVE And Coiled-Coil Domain-Containing Protein 1; Zinc Finger FYVE Domain-Containing Protein 7; FYVE And Coiled-Coil Domain Containing 1; FLJ13335; RUN And FYVE Domain Containing 3; CTRCT18; CATC2; RUFY3

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: 167 kDa

Properties

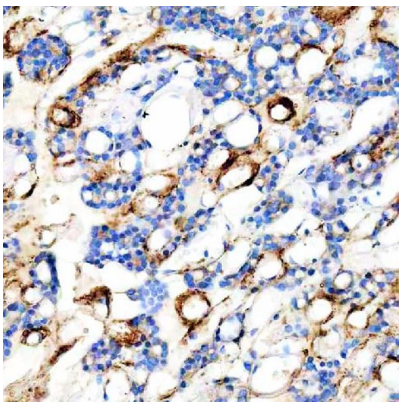
Form	Powder
Purification	Affinity purified
Buffer	0.2% Na2HPO4, 0.9% NaCl and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in 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

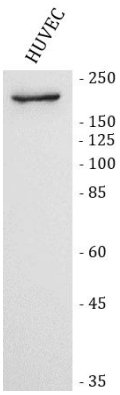
Gene Symbol	FYCO1
Gene Full Name	FYVE And Coiled-Coil Domain Autophagy Adaptor 1
Background	The gene encodes a Rab7 adapter protein that is implicated in the microtubule transport of autophagosomes. The encoded protein contains a RUN domain, a FYVE-type zinc finger domain, and Golgi dynamics (GOLD) domain. The encoded protein plays a role in microtubule plus end-directed transport of autophagic vesicles through interactions with the small GTPase Rab7, phosphatidylinositol-3-phosphate (PI3P), the autophagosome marker LC3, and the kinesin KIF5. Mutations in this gene are associated with inclusion body myositis (IBM) and autosomal recessive congenital cataracts (CATC2). [provided by RefSeq, Aug 2020]
Function	May mediate microtubule plus end-directed vesicle transport. [UniProt]
Calculated Mw	162 kDa
PTM	Acetylation; Phosphoprotein. [UniProt]
Cellular Localization	Cytoplasmic vesicle; Endosome; Lysosome. [UniProt]

Images



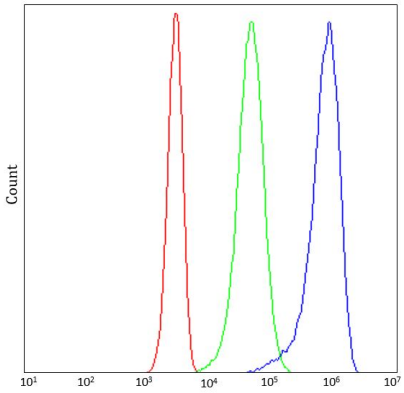
ARG45476 anti-FYCO1 antibody IHC-P image

Immunohistochemistry: Human thyroid cancer stained with ARG45476 anti-FYCO1 antibody at 2 µg/ml dilution.



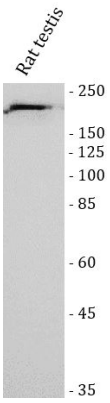
ARG45476 anti-FYCO1 antibody WB image

Western blot: HUVEC stained with ARG45476 anti-FYCO1 antibody at 0.5 µg/ml dilution.



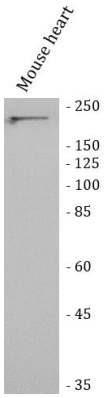
ARG45476 anti-FYCO1 antibody FACS image

Flow Cytometry: Jurkat stained with ARG45476 anti-FYCO1 antibody at 1 µg/10^6 cells dilution.



ARG45476 anti-FYCO1 antibody WB image

Western blot: Rat testis stained with ARG45476 anti-FYCO1 antibody at 0.5 µg/ml dilution.



ARG45476 anti-FYCO1 antibody WB image

Western blot: Mouse heart stained with ARG45476 anti-FYCO1 antibody at 0.5 µg/ml dilution.