

ARG57063 anti-VTA1 antibody [14G10]

Package: 50 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [14G10] recognizes VTA1
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF, WB
Host	Mouse
Clonality	Monoclonal
Clone	14G10
Isotype	IgG1, kappa
Target Name	VTA1
Species	Human
Immunogen	Recombinant fragment around aa. 1-307 of Human VTA1.
Conjugation	Un-conjugated
Alternate Names	DRG1; HSPC228; Vacuolar protein sorting-associated protein VTA1 homolog; SKD1-binding protein 1; LYST-interacting protein 5; C6orf55; LIP5; SBP1; My012; Dopamine-responsive gene 1 protein; DRG-1

Application Instructions

Application table	Application	Dilution
	FACS	2-5 µg per 1*10 ⁶ cells
	ICC/IF	1:100 - 1:200
	WB	1:500 - 1:2000

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

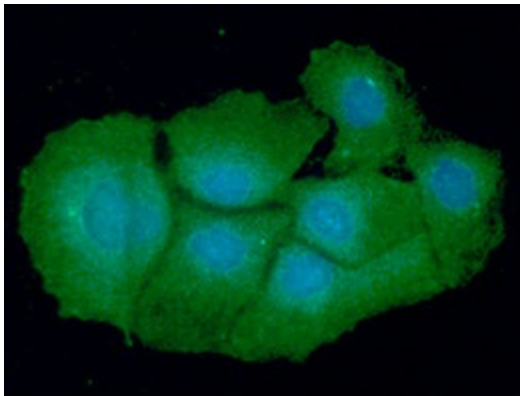
Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 10% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	10% Glycerol
Concentration	1 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. 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

Database links	GeneID: 51534 Human Swiss-port # Q9NP79 Human
Gene Symbol	VTA1
Gene Full Name	vesicle (multivesicular body) trafficking 1
Background	C6ORF55 encodes a protein involved in trafficking of the multivesicular body, an endosomal compartment involved in sorting membrane proteins for degradation in lysosomes (Ward et al., 2005 [PubMed 15644320]).[supplied by OMIM, Mar 2008]
Function	Involved in the endosomal multivesicular bodies (MVB) pathway. MVBs contain intraluminal vesicles (ILVs) that are generated by invagination and scission from the limiting membrane of the endosome and mostly are delivered to lysosomes enabling degradation of membrane proteins, such as stimulated growth factor receptors, lysosomal enzymes and lipids. Thought to be a cofactor of VPS4A/B, which catalyzes disassembles membrane-associated ESCRT-III assemblies. Involved in the sorting and down-regulation of EGFR (By similarity). Involved in HIV-1 budding. [UniProt]
Calculated Mw	34 kDa

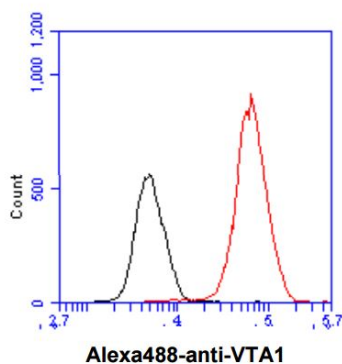
Images



ARG57063 anti-VTA1 antibody [14G10] ICC/IF image

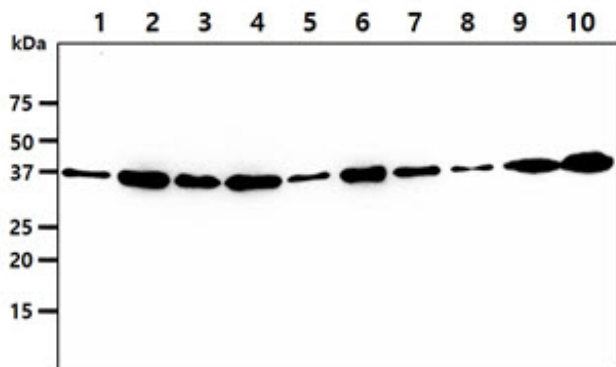
Immunofluorescence: Hep3B cell line stained with ARG57063 anti-VTA1 antibody [14G10] at 1:100 (Green).

DAPI (Blue) for nucleus staining.



ARG57063 anti-VTA1 antibody [14G10] FACS image

Flow Cytometry: Hep3B cell line stained with ARG57063 anti-VTA1 antibody [14G10] at 2-5 μg for 1×10^6 cells (red line). Secondary antibody: Goat anti-Mouse IgG Alexa fluor 488 conjugate. Isotype control antibody was Mouse IgG (black line).



ARG57063 anti-VTA1 antibody [14G10] WB image

Western blot: 40 μ g of 1) HepG2 cell lysate, 2) 293T cell lysate, 3) HeLa cell lysate, 4) MCF7 cell lysate, 5) A549 cell lysate, 6) Jurkat cell lysate, 7) K562 cell lysate, 8) LnCaP cell lysate, 9) U937 cell lysate, 10) A431 cell lysate stained with ARG57063 anti-VTA1 antibody [14G10] at 1:1000.