

Mouse anti-Human VTA1 Monoclonal Antibody | anti-VTA1 antibody

VTA1 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48214	Mouse	Human	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot, ELISA

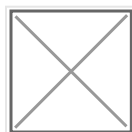
PRODUCT SYNONYMS

VTA1; Monoclonal Antibody; VTA1 antibody; vacuolar protein sorting-associated protein VTA1 homolog; DRG-1; DRG1; LIP5; SBP1; anti-VTA1 antibody

PRODUCT SPECIFICATIONS

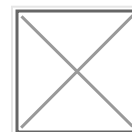
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, k
Clone Number	AT14G10
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1 mg/ml (varies by lot)
Sequence Length	307
Applicable Applications for anti-VTA1 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human VTA1 (1-307aa) purified from E. coli
Clone Note	Anti-human VTA1 mAb, clone AT14G10, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human VTA1 protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

ICC/IF analysis of VTA1 in Hep3B cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human VTA1 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)

The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human VTA1 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: HepG2 cell lysate Lane 2.: 293T cell lysate Lane 3.: HeLa cell lysate Lane 4.: MCF7 cell lysate Lane 5.: A549 cell lysate Lane 6.: Jurkat cell lysate Lane 7.: K562 cell lysate Lane 8.: LnCaP cell lysate Lane 9.: U937 cell lysate Lane 10.: A431 cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-VTA1 antibody	The VTA1 protein is 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. This protein is involved in the sorting and down-regulation of EGFR (By similarity) and involved in HIV-1 budding.
Product Categories/Family for anti-VTA1 antibody	Virus
References	Jun Shi., et al. (2001) Brain Res. 910 (1-2): 29-37. ; Fujita H., et al. (2004) J Cell Sci. 117 (Pt 14): 2997-3009.; Ward DM., et al. (2005) J Biol Chem. 280 (11): 10548-55.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	21361741
NCBI GeneID	51534
NCBI Accession #	NP_057569
NCBI GenBank Nucleotide #	NM_016485.4
UniProt Accession #	Q9NP79; Q5TGM1; Q6IAE8; Q9H0R2; Q9H3K9; Q9P0Q0; B4DW55; E1P594; E7ETQ7
Molecular Weight	24,553 Da
NCBI Official Full Name	vacuolar protein sorting-associated protein VTA1 homolog isoform a
NCBI Official Synonym Full Names	vesicle trafficking 1
NCBI Official Symbol	VTA1
NCBI Official Synonym Symbols	DRG1; LIP5; SBP1; DRG-1; My012; C6orf55; HSPC228
NCBI Protein Information	vacuolar protein sorting-associated protein VTA1 homolog
UniProt Protein Name	Vacuolar protein sorting-associated protein VTA1 homolog
UniProt Gene Name	VTA1
UniProt Synonym Gene Names	C6orf55; DRG-1; LIP5; SBP1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/vta1-antibody-clone-at14g10-immunofluorescence-immunocytochemistry-flow-cytometry-western-blot-elisa/48214>