

Rabbit VTA1 Polyclonal Antibody | anti-VTA1 antibody

Anti-VTA1 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA258838	Rabbit	Human, Pongo abelii(Species predicted to react based on 100% sequence homology)	Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

VTA1; Polyclonal Antibody; Anti-VTA1 Antibody; Rabbit Polyclonal; vesicle (multivesicular body) trafficking 1; Anti-C6orf55 Antibody; Anti-DRG-1 Antibody; Anti-DRG1 Antibody; Anti-HSPC228 Antibody; Anti-LIP5 Antibody; Anti-My012 Antibody; Anti-SBP1 Antibody; anti-VTA1 antibody

PRODUCT SPECIFICATIONS

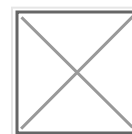
Host	Rabbit
Reactivity	Human, Pongo abelii (Species predicted to react based on 100% sequence homology)
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-VTA1 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to the center region of the Human VTA1
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the center region of the Human VTA1, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

Lane A:0.5 mg H1299 Whole Cell LysateLane B:0.5 mg HeLa Whole Cell LysateLane C:0.5 mg Molt4 Whole Cell LysateLane D:0.5 mg HepG2 Whole Cell Lysate4 uL anti-VTA1 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G.Primary antibody:Anti-VTA1 rabbit polyclonal antibody,at 1:100 dilutionSecondary antibody:Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilutionDeveloped using the ECL technique.Performed under reducing conditions.Predicted band size: 34 kDaObserved band size :38 kDa



WB (Western Blot)

Anti-VTA1 rabbit polyclonal antibody at 1:500 dilutionLane A: H1299 Whole Cell LysateLane B: Molt4 Whole Cell LysateLysates/proteins at 30 ug per lane.SecondaryGoat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution.Developed using the ECL technique.Performed under reducing conditions.Predicted band size:34 kDaObserved band size:38 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-VTA1 antibody	Vps20-associated 1 (Vta1) positively regulates Vacuolar protein sorting 4 (Vps4) to disassemble endosomal sorting complex required for transport III (ESCRT-III) for repeated uses in multivesicular body (MVB) pathway, virus budding, and other processes. The N-terminal domain of Vta1 (residues 1-167aa, named as Vta1NTD) contains two tandem MIT domains, which specifically recognize Vps60 and Did2 but not other ESCRT-III subunits. Vta1 promotes proper assembly of Vps4 and stimulates its ATPase activity through the conserved Vta1/SBP1/LIP5 region present in Vta1 homologs across evolution, including human SBP1 and Arabidopsis thaliana LIP5. Vps4 not only functions with its positive regulator vacuolar protein sorting 20-associated 1 (Vta1) in the multivesicular body (MVB) pathway but also participates alone in MVB-unrelated cellular processes.
References	Yang Z, et al. (2013) ¹h, ¹³c and ¹⁵n resonance assignments of the n-terminal domain of vta1-vps60 peptide complex. <i>Biomol NMR Assign</i> 7 (2): 331-334. Xia H, et al. (2019) Vacuolar protein sorting 4 is required for silkworm metamorphosis. <i>Insect Mol Biol</i> 28 (5): 728-738. Xia H, et al. (2017) Identification and characterization of bmvta1, a bombyx mori (lepidoptera: Bombycidae) homologue for vta1 that is up-regulated in development. <i>J Insect Sci</i> 17 (3): 79. Azmi I, et al. (2006) Recycling of escrts by the aaa-atpase vps4 is regulated by a conserved vsl region in vta1. <i>J Cell Biol</i> 172 (5): 705-717.

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/vta1-antibody-immunoprecipitation-western-blot-elisa/258838>