

Rabbit VPS11 Polyclonal Antibody | anti-VPS11 antibody

VPS11 Antibody

CATALOG # AAA323323	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

VPS11; Polyclonal Antibody; VPS11 Antibody; END1; HGNC:14583; hVPS11; PEP5; PP3476; RING finger protein 108; RNF108; Vacuolar protein sorting 11 (yeast homolog); Vacuolar protein sorting 11 (yeast); Vacuolar protein sorting 11 homolog (S. cerevisiae); Vacuolar protein sorting 11 homolog; Vacuolar protein sorting associated protein 11 homolog; Vacuolar protein sorting protein 11; Vacuolar protein sorting-associated protein 11 homolog; vps11; VPS11_HUMAN; anti-VPS11 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	VPS11 antibody detects endogenous levels of VPS11.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	931
Applicable Applications for anti-VPS11 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human VPS11.
Subcellular Location	Late Endosome Membrane. Lysosome Membrane. Cytoplasmic Vesicle.
Tissue Specificity	Ubiquitous. Expression was highest in heart and low in lung.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (92%), Dog (100%), Chicken (89%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts of HEK-293 cells, using VPS11 antibody.



IHC (Immunohistochemistry)

AAA323323 at 1/100 staining Human thyroid cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-VPS11 antibody	Function: Plays a role in vesicle-mediated protein trafficking to lysosomal compartments including the endocytic membrane transport and autophagic pathways. Believed to act as a core component of the putative HOPS and CORVET endosomal tethering complexes which are proposed to be involved in the Rab5-to-Rab7 endosome conversion probably implicating MON1A/B, and via binding SNAREs and SNARE complexes to mediate tethering and docking events during SNARE-mediated membrane fusion. The HOPS complex is proposed to be recruited to Rab7 on the late endosomal membrane and to regulate late endocytic, phagocytic and autophagic traffic towards lysosomes. The CORVET complex is proposed to function as a Rab5 effector to mediate early endosome fusion probably in specific endosome subpopulations (PubMed:11382755, PubMed:23351085, PubMed:24554770, PubMed:25266290, PubMed:25783203). Required for fusion of endosomes and autophagosomes with lysosomes (PubMed:25783203). Involved in cargo transport from early to late endosomes and required for the transition from early to late endosomes (PubMed:21148287). Involved in the retrograde Shiga toxin transport (PubMed:23593995). Subunit Structure: Core component of at least two putative endosomal tethering complexes, the homotypic fusion and vacuole protein sorting (HOPS) complex and the class C core vacuole/endosome tethering (CORVET) complex. Their common core is composed of the class C Vps proteins VPS11, VPS16, VPS18 and VPS33A, which in HOPS further associates with VPS39 and VPS41 and in CORVET with VPS8 and TGFBRAP1 (PubMed:11382755, PubMed:20434987, PubMed:23351085, PubMed:23901104, PubMed:25266290, PubMed:25783203). Interacts with TGFBRAP1, MON1B, STX7, STX17, EZR, RDX, MSN, ECPAS (PubMed:11382755, PubMed:20682791, PubMed:21148287, PubMed:24554770, PubMed:25266290). Interacts with RAB5C (By similarity). Associates with adaptor protein complex 3 (AP-3) and clathrin:AP-3 complexes (By similarity). Similarity: Belongs to the VPS11 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	589058161
NCBI GeneID	55823
NCBI Accession #	NP_001277114.1
NCBI GenBank Nucleotide #	NM_001290185.1
UniProt Accession #	Q9H270; Q8WY89; Q96EP8; Q9H6D9; Q9HCS6
Molecular Weight	Observed: 108-112 kDa Predicted: 108 kDa
NCBI Official Full Name	vacuolar protein sorting-associated protein 11 homolog isoform 2
NCBI Official Synonym Full Names	VPS11, CORVET/HOPS core subunit
NCBI Official Symbol	VPS11
NCBI Official Synonym Symbols	END1; PEP5; HLD12; RNF108; hVPS11
NCBI Protein Information	vacuolar protein sorting-associated protein 11 homolog
UniProt Protein Name	Vacuolar protein sorting-associated protein 11 homolog
UniProt Gene Name	VPS11

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/polyclonal/vps11-antibody-immunohistochemistry-western-blot-elisa/323323>