

Rabbit anti-Human, Rat VPS16 Polyclonal Antibody | anti-VPS16 antibody

VPS16 Antibody

CATALOG # AAA233793	HOST Rabbit	REACTIVITY Human, Rat	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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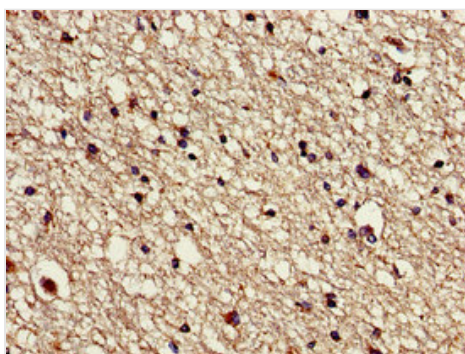
PRODUCT SYNONYMS

VPS16; Polyclonal Antibody; VPS16 Antibody; Vacuolar protein sorting-associated protein 16 homolog; hVPS16; anti-VPS16 antibody

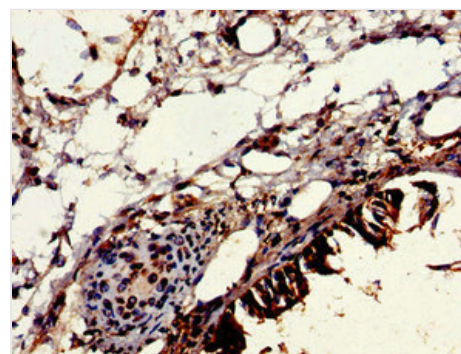
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	839
Applicable Applications for anti-VPS16 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant Human Vacuolar protein sorting-associated protein 16 homolog protein (7-89AA)
Conjugation	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

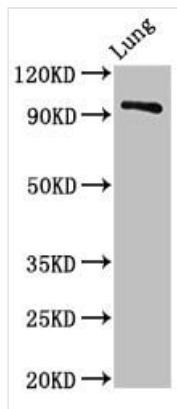
IMAGES


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human brain tissue using AAA233793 at dilution of 1:100


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human lung tissue using AAA233793 at dilution of 1:100



WB (Western Blot)

Western Blot Positive WB detected in: Rat lung tissue All lanes: VPS16 antibody at 3ug/ml Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 95, 79 KDa Observed band size: 95 KDa

ADDITIONAL INFORMATION

Related Product Information for anti-VPS16 antibody	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 recruitment of VPS33A to the HOPS complex (PubMed:23901104). Required for fusion of endosomes and autophagosomes with lysosomes; the function is dependent on its association with VPS33A but not VPS33B (PubMed:25783203). The function in autophagosome-lysosome fusion implicates STX17 but not UVRAG (PubMed:24554770).
Product Categories/Family for anti-VPS16 antibody	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	17978479
NCBI GeneID	64601
NCBI Accession #	NP_072097.2
NCBI GenBank Nucleotide #	NM_022575.3
UniProt Accession #	Q9H269; Q5JUB1; Q8WU31; Q96EE7; Q96N92; Q9H1Q4; Q9H1Q5
Molecular Weight	78,300 Da
NCBI Official Full Name	vacuolar protein sorting-associated protein 16 homolog isoform 1
NCBI Official Synonym Full Names	VPS16, CORVET/HOPS core subunit
NCBI Official Symbol	VPS16
NCBI Official Synonym Symbols	hVPS16
NCBI Protein Information	vacuolar protein sorting-associated protein 16 homolog
UniProt Protein Name	Vacuolar protein sorting-associated protein 16 homolog
UniProt Gene Name	VPS16
UniProt Synonym Gene Names	hVPS16

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/vps16-antibody-immunohistochemistry-western-blot-elisa/233793>