

Rabbit anti-Human, Mouse V-ATPase H Polyclonal Antibody | anti-ATP6V1H antibody

V-ATPase H Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322649	Rabbit	Human, Mouse	ELISA, Immunohistochemistry, Western Blot

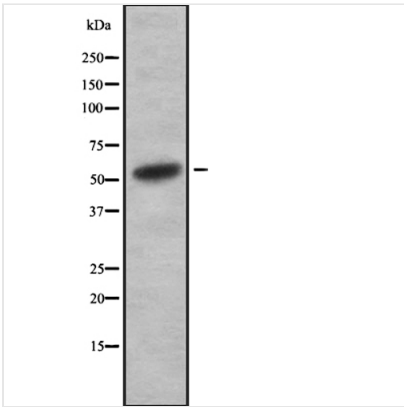
PRODUCT SYNONYMS

V-ATPase H; Polyclonal Antibody; V-ATPase H Antibody; Atp6v1h; ATPase; H+ transporting; lysosomal 50/57kDa; V1 subunit H; CGI 11; CGI11; EC 3.6.3.14; MSTP042; NBP1; Nef binding protein 1; Nef-binding protein 1; Protein VMA13 homolog; SFD; SFDalpha; SFDbeta; V ATPase subunit H; V-ATPase 50/57 kDa subunits; V-ATPase subunit H; V-type proton ATPase subunit H; Vacuolar ATP synthase subunit H; Vacuolar proton pump subunit H; Vacuolar proton pump subunit SFD; VATH_HUMAN; VMA13; anti-ATP6V1H antibody

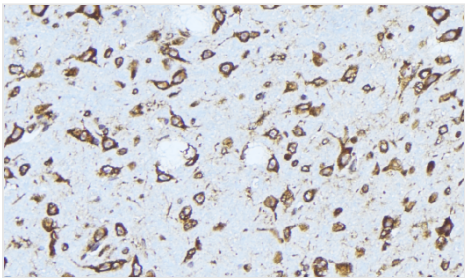
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	V-ATPase H antibody detects endogenous levels of total V-ATPase H
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	483
Applicable Applications for anti-ATP6V1H antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human V-ATPase H
Tissue Specificity	Widely expressed.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (100%)
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 V-ATPase H using HuvEc whole cell lysates



IHC (Immunohistochemistry)
AAA322649 at 1/100 staining Mouse brain 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-ATP6V1H antibody	Function: Subunit of the peripheral V1 complex of vacuolar ATPase. Subunit H activates the ATPase activity of the enzyme and couples ATPase activity to proton flow. Vacuolar ATPase is responsible for acidifying a variety of intracellular compartments in eukaryotic cells, thus providing most of the energy required for transport processes in the vacuolar system (By similarity). Involved in the endocytosis mediated by clathrin-coated pits, required for the formation of endosomes. Subunit Structure: V-ATPase is a heteromultimeric enzyme composed of a peripheral catalytic V1 complex (components A to H) attached to an integral membrane V0 proton pore complex (components: a, c, c', c'' and d). Interacts with HIV-1 Nef protein (PubMed:12032142, PubMed:9620685). Interacts with AP2M1 (PubMed:12032142). Interacts with TM9SF4 in colon cancer cells (PubMed:25659576). Similarity: Belongs to the V-ATPase H subunit family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	47717104
NCBI GeneID	51606
NCBI Accession #	NP_057025.2
NCBI GenBank Nucleotide #	NM_015941.3
UniProt Accession #	Q9UI12; Q6PK44; Q9H3E3; Q9Y300; B3KMR0
Molecular Weight	Observed: 55 kDa Predicted: 56 kDa
NCBI Official Full Name	V-type proton ATPase subunit H isoform 1
NCBI Official Synonym Full Names	ATPase H+ transporting V1 subunit H
NCBI Official Symbol	ATP6V1H
NCBI Official Synonym Symbols	SFD; NBP1; VMA13; CGI-11; MSTP042; SFDbeta; SFDalpha
NCBI Protein Information	V-type proton ATPase subunit H
UniProt Protein Name	V-type proton ATPase subunit H
UniProt Gene Name	ATP6V1H
UniProt Synonym Gene Names	V-ATPase subunit H; NBP1

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.

