Rabbit ATP6V1A Polyclonal Antibody | anti-ATP6V1A antibody

ATP6V1A Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285918	**Rabbit**	**Human (Predicted Reactivity: Bovine, Mouse, Pig)**	**Immunohistochemistry, ELISA, Western Blot**

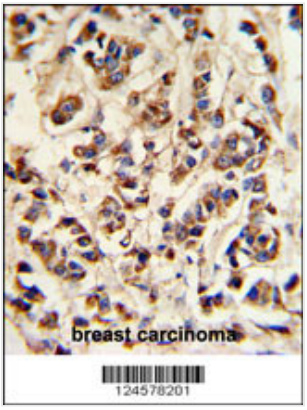
PRODUCT SYNONYMS

ATP6V1A; Polyclonal Antibody; ATP6V1A Antibody (Center); V-type proton ATPase catalytic subunit A; V-ATPase subunit A; V-ATPase 69 kDa subunit; Vacuolar ATPase isoform VA68; Vacuolar proton pump subunit alpha; ATP6A1; ATP6V1A1; VPP2; anti-ATP6V1A antibody

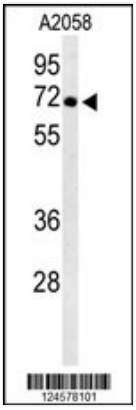
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Mouse, Pig)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ATP6V1A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 441-468 amino acids from the Central region of human ATP6V1A.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	441-468
Sequence Length	617
Applicable Applications for anti-ATP6V1A antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
ATP6V1A Antibody (Center) IHC analysis in formalin fixed and paraffin embedded breast carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the ATP6V1A Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of ATP6V1A Antibody (Center) in A2058 cell line lysates (35ug/lane). ATP6V1A (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-ATP6V1A antibody	This gene encodes a component of vacuolar ATPase (V-ATPase), a multisubunit enzyme that mediates acidification of eukaryotic intracellular organelles. V-ATPase dependent organelle acidification is necessary for such intracellular processes as protein sorting, zymogen activation, receptor-mediated endocytosis, and synaptic vesicle proton gradient generation. V-ATPase is composed of a cytosolic V1 domain and a transmembrane V0 domain. The V1 domain consists of three A and three B subunits, two G subunits plus the C, D, E, F, and H subunits. The V1 domain contains the ATP catalytic site. The V0 domain consists of five different subunits: a, c, c', c', and d. Additional isoforms of many of the V1 and V0 subunit proteins are encoded by multiple genes or alternatively spliced transcript variants. This encoded protein is one of two V1 domain A subunit isoforms and is found in all tissues.
Product Categories/Family for anti-ATP6V1A antibody	Metabolism; Signal Transduction
References	Martins-de-Souza, D., et al. J Psychiatr Res 43(11):978-986(2009) Martins-de-Souza, D., et al. BMC Psychiatry 9, 17 (2009) Lu, M., et al. J. Biol. Chem. 282(34):24495-24503(2007) Ahmed, M., et al. J. Proteome Res. 4(3):931-940(2005) Morel, N. Biol. Cell 95(7):453-457(2003)

NCBI AND UNIPROT INFORMATION

NCBI GI #	19913424
NCBI GeneID	523
NCBI Accession #	NP_001681.2
NCBI GenBank Nucleotide #	NM_001690.3
UniProt Accession #	P38606; Q53YD9; Q96DY6; Q9UHY3; B2RBR8; B7Z1R5; D3DN75
Molecular Weight	68304
NCBI Official Full Name	V-type proton ATPase catalytic subunit A
NCBI Official Synonym Full Names	ATPase, H+ transporting, lysosomal 70kDa, V1 subunit A
NCBI Official Symbol	ATP6V1A
NCBI Official Synonym Symbols	HO68; VA68; VPP2; Vma1; ATP6A1; ATP6V1A1
NCBI Protein Information	V-type proton ATPase catalytic subunit A

UniProt Protein Name	V-type proton ATPase catalytic subunit A
UniProt Gene Name	**ATP6V1A**
UniProt Synonym Gene Names	ATP6A1; ATP6V1A1; VPP2; V-ATPase subunit A
UniProt Entry Name	VATA_HUMAN

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://www.aaabiotech.com/polyclonal/atp6v1a-antibody-immunohistochemistry-western-blot-elisa/285918