Rabbit ATP6V1A Polyclonal Antibody | anti-ATP6V1A antibody

ATP6V1A Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323177	**Rabbit**	**Human, Mouse, Rat**	**Immunohistochemistry, Western Blot**

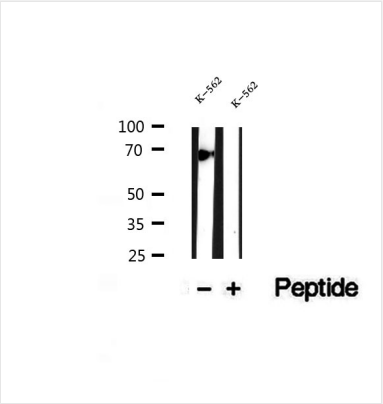
PRODUCT SYNONYMS

ATP6V1A; Polyclonal Antibody; ATP6V1A Antibody; 70kDa subunit; ATP6A1; ATP6V1A1; ATPase H+ transporting lysosomal subunit A1; ATPase H+ transporting; lysosomal 70kDa V1 subunit A; H(+) transporting two sector ATPase subunit A; H+ transporting ATPase chain A vacuolar (VA68 type); HO68; OTTHUMP00000214746; V ATPase 69 kDa subunit 1; V ATPase A subunit 1; V ATPase subunit A 1; V-ATPase 69 kDa subunit; V-ATPase subunit A; V-type proton ATPase catalytic subunit A; VA68; Vacuolar ATP synthase catalytic subunit A ubiquitous isoform; Vacuolar ATPase isoform VA68; Vacuolar proton pump alpha subunit 1; Vacuolar proton pump subunit alpha; VATA_HUMAN; Vma1; VPP2; anti-ATP6V1A antibody

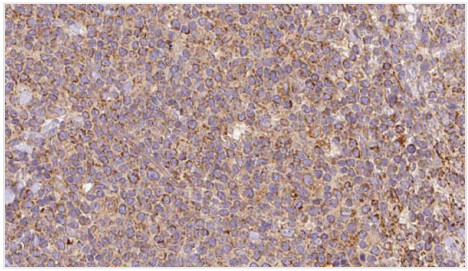
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	ATP6V1A antibody detects endogenous levels of ATP6V1A.
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	617
Applicable Applications for anti-ATP6V1A antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human ATP6V1A.
Tissue Specificity	High expression in the skin.
Predicted Cross Reactivity	**Pig, Bovine, Horse, Sheep, Dog, Chicken, Xenopus**
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (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.

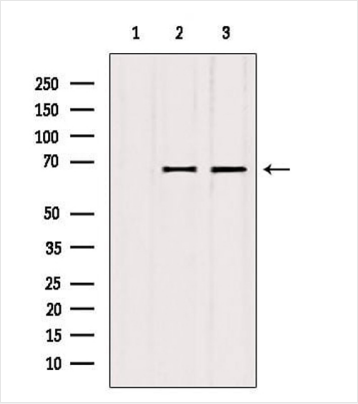
IMAGES



WB (Western Blot)
Western blot analysis of extracts of K-562 cells, using ATP6V1A antibody.



IHC (Immunohiostchemistry)
AAA323177 at 1/100 staining Human lymph 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.



WB (Western Blot)
Western blot analysis of extracts from various samples, using ATP6V1A antibody. Lane 1: rat brain treated with blocking peptide. Lane 2: Rat brain; Lane 3: B16F10;

ADDITIONAL INFORMATION

Related Product Information for anti-ATP6V1A antibody	Function: Catalytic subunit of the peripheral V1 complex of vacuolar ATPase. V-ATPase vacuolar ATPase is responsible for acidifying a variety of intracellular compartments in eukaryotic cells. In aerobic conditions, involved in intracellular iron homeostasis, thus triggering the activity of Fe2+ prolyl hydroxylase (PHD) enzymes, and leading to HIF1A hydroxylation and subsequent proteasomal degradation (PubMed:28296633). Subunit Structure: V-ATPase is a heteromultimeric enzyme composed of a peripheral catalytic V1 complex (main components: subunits A, B, C, D, E, and F) attached to an integral membrane V0 proton pore complex (main component: the proteolipid protein). Similarity: Belongs to the ATPase alpha/beta chains family.

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	Observed: 68 kDa Predicted: 69 kDa
NCBI Official Full Name	V-type proton ATPase catalytic subunit A

NCBI Official Synonym Full Names	ATPase H+ transporting V1 subunit A
NCBI Official Symbol	ATP6V1A
NCBI Official Synonym Symbols	HO68; VA68; VPP2; Vma1; ARCL2D; ATP6A1; IECEE3; 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

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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