

Rabbit ATP6V1C1 Polyclonal Antibody | anti-ATP6V1C1 antibody

Anti-ATP6V1C1 Antibody, Rabbit Polyclonal

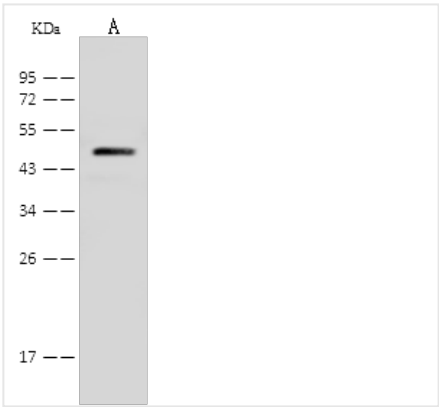
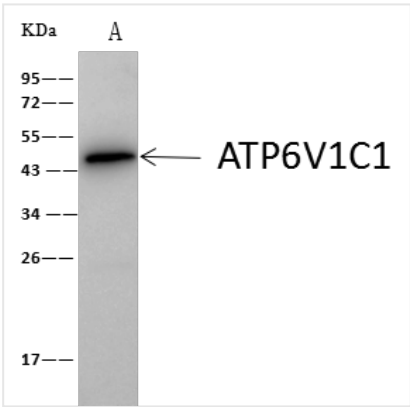
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255089	Rabbit	Human Predicted to React with: Bovin, African clawed frog, Pongo abelii, Xenopus tropicalis, Cynomolgus (Species predicted to react based on 100% sequence homology)	Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

ATP6V1C1; Polyclonal Antibody; Anti-ATP6V1C1 Antibody; Rabbit Polyclonal; ATP6V1C1 Antibody; Rabbit PAb; Antigen Affinity Purified; ATPase; H+ transporting; lysosomal 42kDa; V1 subunit C1; Anti-ATP6C Antibody; Anti-ATP6D Antibody; Anti-VATC Antibody; Anti-Vma5 Antibody; anti-ATP6V1C1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human Predicted to React with: Bovin, African clawed frog, Pongo abelii, Xenopus tropicalis, Cynomolgus (Species predicted to react based on 100% sequence homology)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human ATP6V1C1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-ATP6V1C1 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to the center region of the Human ATP6V1C1
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the center region of the Human ATP6V1C1, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



IP (Immunoprecipitation)
ENO1 was immunoprecipitated using: Lane A: 0.5 mg MCF-7 Whole Cell Lysate 4 uL anti-ENO1 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-ENO1 rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Clean-Blot IP Detection Reagent (HRP) at 1:1000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 47 kDa. Observed band size: 50 kDa.

WB (Western Blot)
Anti-ATP6V1C1 rabbit polyclonal antibody at 1:10000 dilution. Lane A: HepG2 Whole Cell Lysate. Lysates/proteins at 30 ug per lane. Secondary: Goat Anti-Rabbit IgG (H+L)/HRP at 1:10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 44 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-ATP6V1C1 antibody

It is known that V-ATPases (vacuolar H⁺-ATPase) are involved in breast cancer growth and metastasis. Part of this action is similar to their role in osteoclasts, where they're involved in extracellular acidification and matrix destruction. Lentiviral-shRNA mediated ATP6v1c1 knockdown in 4T1 mouse mammary cancer cells significantly reduces orthotopic and intraosseous tumor growth. ATP6v1c1 knockdown also significantly reduces tumor stimulated bone resorption through osteoclastogenesis at the bone and metastasis in vivo, as well as V-ATPase activity, proliferation, and mTORC1 activation in vitro. The V-ATPase activity may be mediated through mTORC1 and that ATP6v1c1 can be knocked down to block both V-ATPase and mTORC1 activity. Atp6v1c1 is a subunit of the V-ATPase complex and regulator of the assembly of the V0 and V1 domains of the V-ATPase complex, and it has an essential function in osteoclast mediated bone resorption. Atp6v1c1 RNAi knockdown gene therapy mediated by AAV-shRNA-Atp6v1c1 is a promising novel therapeutic approach for the treatment of bone erosion and inflammatory related diseases, such as periodontitis and rheumatoid arthritis. Atp6v1c1 has an important function in cancer growth and metastasis. Atp6v1c1 may be a viable target for breast cancer therapy and silencing of Atp6v1c1 may be an innovative therapeutic approach for the treatment and prevention of breast cancer growth and metastasis.

NCBI AND UNIPROT INFORMATION

NCBI GI #	401329
NCBI GeneID	528
UniProt Accession #	P21283
Molecular Weight	382
NCBI Official Full Name	V-type proton ATPase subunit C 1
NCBI Official Synonym Full Names	ATPase, H ⁺ transporting, lysosomal 42kDa, V1 subunit C1
NCBI Official Symbol	ATP6V1C1
NCBI Official Synonym Symbols	VATC; Vma5; ATP6C; ATP6D
NCBI Protein Information	V-type proton ATPase subunit C 1; V-ATPase C subunit; H ⁺ -ATPase C subunit; V-ATPase subunit C 1; vacuolar proton pump C subunit; vacuolar ATP synthase subunit C; vacuolar proton pump subunit C 1; vacuolar proton pump, 42-kD subunit; H ⁺ -transporting ATPas
UniProt Protein Name	V-type proton ATPase subunit C 1

UniProt Gene Name	ATP6V1C1
UniProt Synonym Gene Names	ATP6C; ATP6D; VATC; V-ATPase subunit C 1
UniProt Entry Name	VATC1_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/atp6v1c1-antibody-immunoprecipitation-western-blot-elisa/255089>