

Rabbit pro renin receptor/ATP6AP2 Polyclonal Antibody | anti-ATP6AP2 antibody

Anti-pro renin receptor/ATP6AP2 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY
AAA258786	Rabbit	Human, Mouse, Rat(Species predicted to react based on 100% sequence homology)

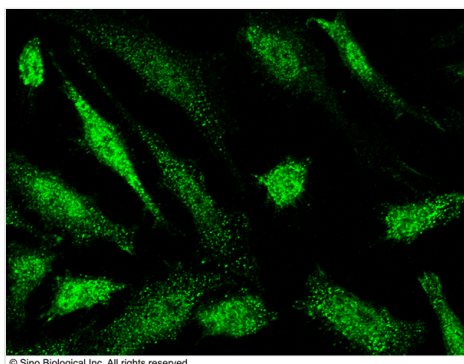
PRODUCT SYNONYMS

pro renin receptor/ATP6AP2; Polyclonal Antibody; Anti-pro renin receptor/ATP6AP2 Antibody; Rabbit Polyclonal; ATPase; H⁺ transporting; lysosomal accessory protein 2; Anti-APT6M8-9 Antibody; Anti-ATP6IP2 Antibody; Anti-ATP6M8-9 Antibody; Anti-ELDF10 Antibody; Anti-HT028 Antibody; Anti-M8-9 Antibody; Anti-MRXE Antibody; Anti-MRXSH Antibody; Anti-MSTP009 Antibody; Anti-PRR Antibody; Anti-RENR Antibody; Anti-XMRE Antibody; Anti-XPDS Antibody; anti-ATP6AP2 antibody

PRODUCT SPECIFICATIONS

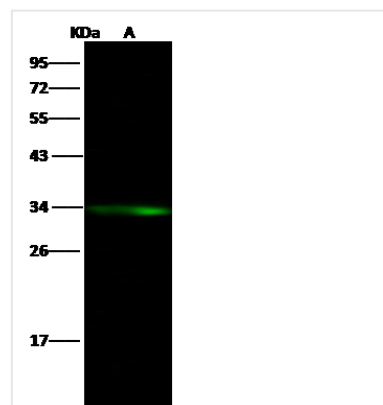
Host	Rabbit
Reactivity	Human, Mouse, Rat (Species predicted to react based on 100% sequence homology)
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Immunogen	A synthetic peptide corresponding to the C-terminus of the Human ATP6AP2/ATP6IP2
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the C-terminus of the Human ATP6AP2/ATP6IP2, 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.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of ATP6AP2 in HeLa cells. Cells were fixed with 4% PFA, permeabilized with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-human ATP6AP2 polyclonal antibody (1:5000) at 4° overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green). Positive staining was localized to cytoplasm and nucleus.



WB (Western Blot)

Anti-ATP6AP2 rabbit polyclonal antibody at 1:500 dilution Lane A: NIH3T3 Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti- Rabbit IgG H&L (Dylight 800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 39 kDa Observed band size: 34 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-ATP6AP2 antibody	ATP6AP2 (also known as the (pro)renin receptor) is a type I transmembrane protein that can be cleaved into two fragments in the Golgi apparatus. While in Drosophila ATP6AP2 functions in the planar cell polarity (PCP) pathway, recent human genetic studies have suggested that ATP6AP2 could participate in the assembly of the V-ATPase in the endoplasmic reticulum (ER). The (pro)renin receptor [(P)RR], also known as ATP6AP2 [ATPase 6 accessory protein 2], is highly expressed in the brain. ATP6AP2 plays a role in early brain development, adult hippocampal neurogenesis and in cognitive functions. Lack of ATP6AP2 has deleterious effects, and mutations of ATP6AP2 in humans are associated with, e.g. X-linked intellectual disability. The (pro)renin receptor [(P)RR, ATP6AP2] is a multifunctional transmembrane protein that activates local renin-angiotensin systems, but also interacts with Wnt pathways and vacuolar H(+) -ATPase (V-ATPase) during organogenesis. ATP6AP2 mutations in humans. Our results identify ATP6AP2 as an essential gene for the nervous system.
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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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/pro-renin-receptor-atp6ap2-antibody-elisa/258786>