

Catalog #: 5371

Aliases

ATP6V1A; ATPase H⁺ Transporting V1 Subunit A; V-ATPase Subunit A; ATP6V1A1; ATP6A1; Vma1; VA68; VPP2; ATPase, H⁺ Transporting, Lysosomal 70kDa, V1 Subunit A; V-Type Proton ATPase (V-ATPase) Catalytic Subunit A; V-Type Proton ATPase Catalytic Subunit A; Vacuolar Proton Pump Subunit Alpha; ATPase, H⁺ Transporting, Lysosomal (Vacuolar Proton Pump), Alpha Polypeptide, 70kD, Isoform 1; H⁺-Transporting ATPase Chain A, Vacuolar (VA68 Type); ATPase, H⁺ Transporting, Lysosomal, Subunit A1; H(+)-Transporting Two-Sector ATPase, Subunit A; Vacuolar Proton Pump Alpha Subunit 1; Vacuolar ATPase Isoform VA68; V-ATPase 69 KDa Subunit 1; Vacuolar-Type H(+)-ATPase; V-ATPase 69 KDa Subunit; V-ATPase A Subunit 1; EC 3.6.3.14; EC 7.1.2.2; EC 3.6.3; ARCL2D; IECEE3; DEE93; HO68

Background

Gene Name: ATP6V1A

NCBI Gene Entry: [523](#)

UniProt Entry: [P38606](#)

Application Information

Molecular Weight: Predicted, 68 kDa; observed, 68 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 25GB1185

Species Reactivity: Human, mouse, rat

Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

Immunogen

Recombinant protein of human ATP6V1A

Isotype

Rabbit IgG

Storage Buffer

Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.

Storage

Store at -20 °C for one year.

Recommended Dilutions

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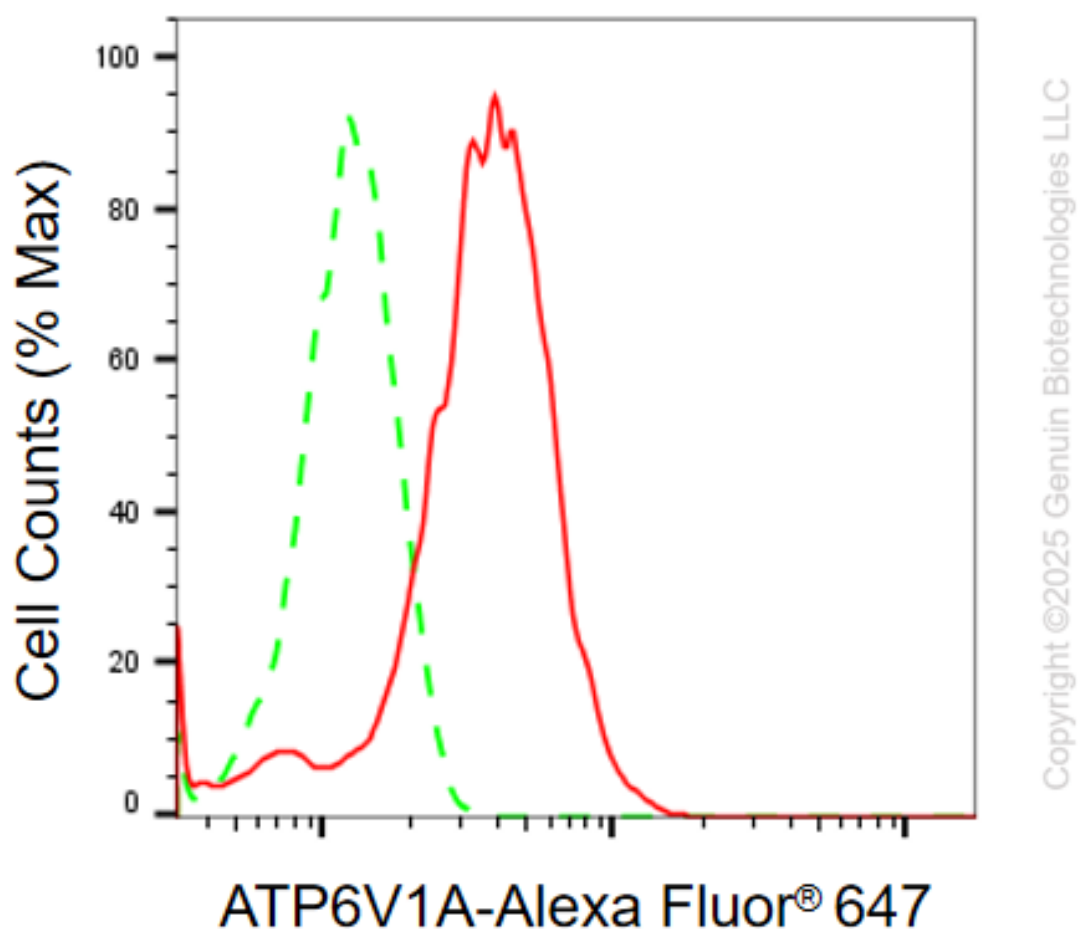
Western Blotting (WB): 1:1,000-1:5,000

Flow Cytometry (FCM): 1:2,000

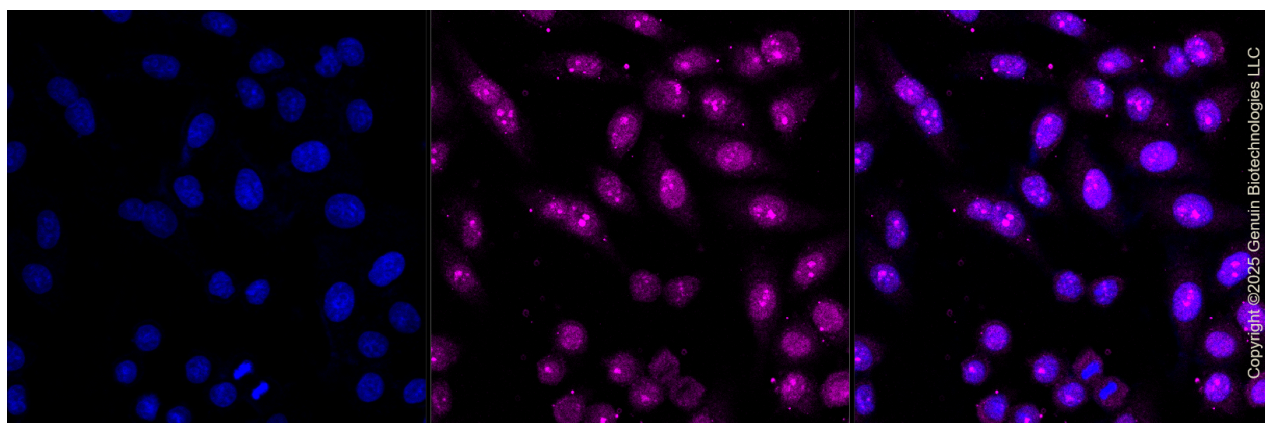
Immunocytochemistry (IC): 1:100-1:1,000

Note: This product is for research use only.

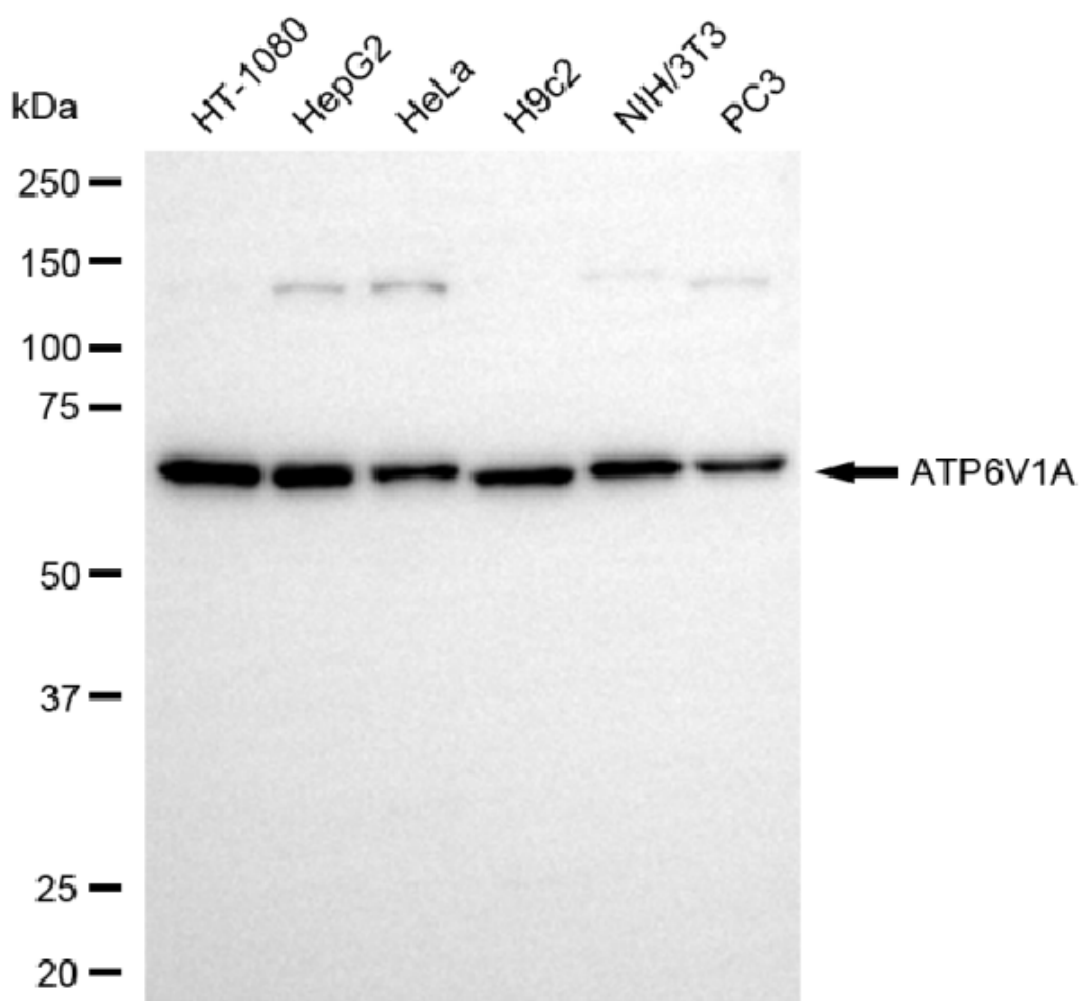
Validation Data



Flow cytometric analysis of ATP6V1A expression in HepG2 cells using anti-ATP6V1A antibody (Cat#5371, 1:2,000). Green, isotype control; red, ATP6V1A.



Immunocytochemical staining of HepG2 cells with anti-ATP6V1A antibody (Cat#5371, 1:1,000). Nuclei were stained blue with DAPI; ATP6V1A was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 μ m.



Western blotting analysis using anti-ATP6V1A antibody (Cat#5371). Total cell lysates (30 μ g)

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from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-ATP6V1A antibody (Cat#5371, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using NaQ™ ECL Substrate Kit (Cat#716).