

KD-Validated Anti-ATP6V1A Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

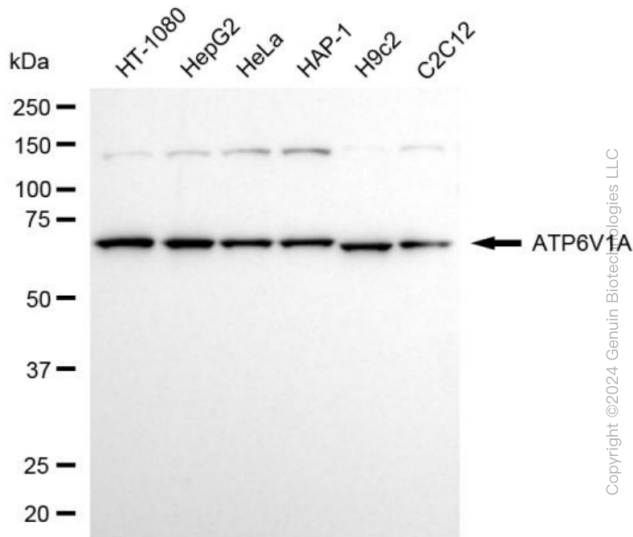
ABG1982

Product Overview

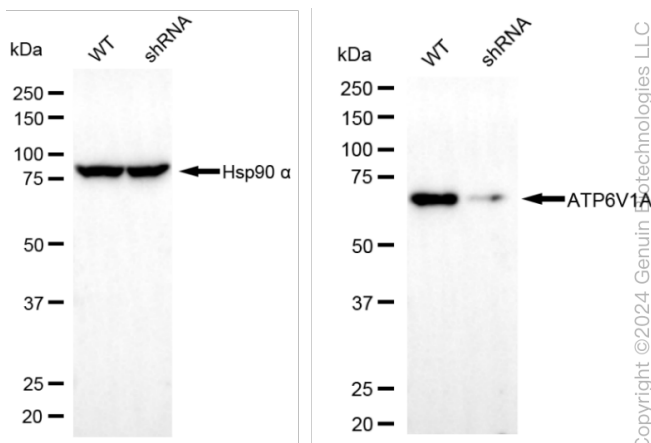
Name	KD-Validated Anti-ATP6V1A Rabbit Monoclonal Antibody
Accession(Primary)	P38606
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	Recombinant protein of human ATP6V1A
Species Reactivity	Human, Mouse, Rat
Calculated MW	Predicted, 68 kDa, observed, 68 kDa
Storage Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Recommended Dilution	Western Blotting (WB): 1:1,000-1:5,000 Flow cytometry (FCM): 1:2,000 Immunocytochemistry (IC): 1:100-1,000

Target information (P38606)

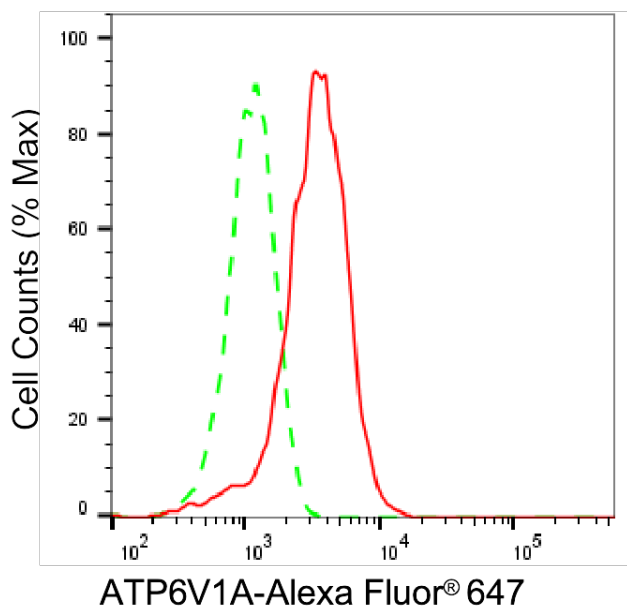
Gene Name	ATP6V1A
About Gene Symbol	ATP6V1A (ATPase H ⁺ Transporting V1 Subunit A) is a metabolic enzyme involved in vesicular trafficking. It is an important research target in metabolic disease, cancer metabolism, and drug discovery and is widely studied to elucidate cellular mechanisms an



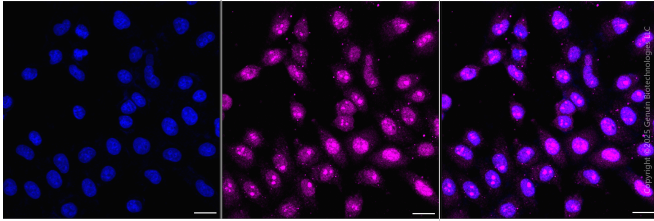
Western blotting analysis using anti-ATP6V1A antibody (Cat#ABG1982). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-ATP6V1A antibody (Cat#ABG1982, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-ATP6V1A antibody (Cat#ABG1982). ATP6V1A expression in wild-type (WT) and ATP6V1A shRNA knockdown (KD) HeLa cells with 20 μ g of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-ATP6V1A antibody (Cat#ABG1982, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of ATP6V1A expression in HepG2 cells using anti-ATP6V1A antibody (Cat#ABG1982, 1:2,000). Green, isotype control; red, ATP6V1A.



Immunocytochemical staining of HepG2 cells with anti-ATP6V1A antibody (Cat#ABG1982, 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.