Product Name: ATP6V1A Rabbit Monoclonal Antibody
Catalog #: AMRe02907
For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,IHC,IP
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Concentration	0.51mg/ml. The concentration of this product may be batch-dependent.
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:1000,IHC 1:50-1:100,IP 1:20-1:50
Molecular Weight	Calculated MW: 68 kDa; Observed MW: 68 kDa

Antigen Information

Gene Name	ATP6V1A
Alternative Names	HO68; VA68; VPP2; Vma1; ARCL2D; ATP6A1; IECEE3; ATP6V1A1
Gene ID	523
SwissProt ID	P38606
Immunogen	Recombinant protein of human ATP6V1A

Background

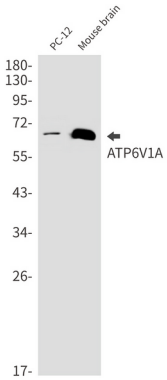
Catalytic subunit of the peripheral V1 complex of vacuolar ATPase. V-ATPase vacuolar ATPase is responsible for acidifying a variety of intracellular compartments in eukaryotic cells. In aerobic conditions, involved in intracellular iron homeostasis, thus

triggering the activity of Fe2+ prolyl hydroxylase (PHD) enzymes, and leading to HIF1A hydroxylation and subsequent proteasomal degradation (PubMed:28296633). May play a role in neurite development and synaptic connectivity (PubMed:29668857).

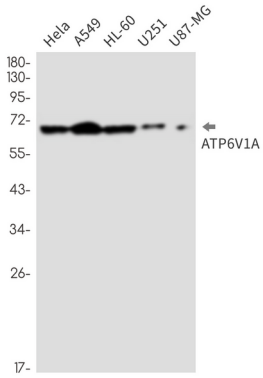
Research Area

Tags & Cell Markers

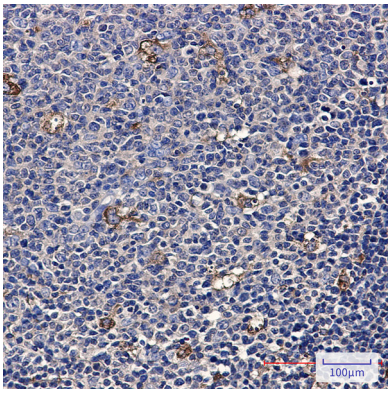
Image Data



Western blot analysis of ATP6V1A in PC-12, mouse brain lysates using ATP6V1A antibody.



Western blot analysis of ATP6V1A in Hela, A549, HL-60, U251, U87-MG lysates using ATP6V1A antibody.



Immunohistochemistry analysis of paraffin-embedded Human tonsil using ATP6V1A antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.