

Product Name: ATP6V1A Rabbit Monoclonal Antibody**Catalog #: AMRe85328**

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	
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in TBS with 0.05% sodium azide,0.05%protective protein and 50% glycerol.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:1000,IHC 1:50-1:100,IP 1:10-1:20
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	523.0
SwissProt ID	P38606
Immunogen	Recombinant protein of human ATP6V1A

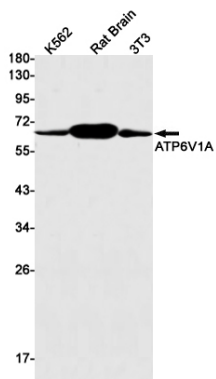
Background

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

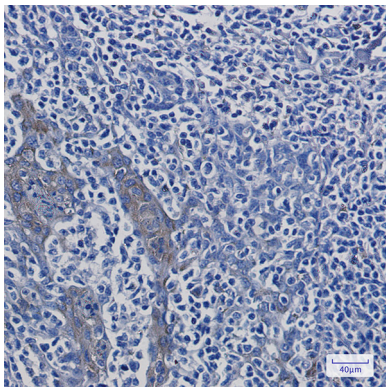
proteasomal degradation (PubMed:28296633). May play a role in neurite development and synaptic connectivity (PubMed:29668857).

Research Area

Image Data



Western blot analysis of ATP6V1A in K562, rat Brain, 3T3 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.