Product Name: ATP6V0D1 Rabbit Monoclonal Antibody
Catalog #: AMRe01699

Summary

Production Name	ATP6V0D1 Rabbit Monoclonal Antibody
Description	Recombinant Rabbit Monoclonal antibody
Host	Rabbit
Application	WB,IHC-F,IHC-P,ICC/IF,IP
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal Antibody
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Purification	Affinity Purified

Immunogen

Gene Name	ATP6V0D1
Alternative Names	P39; VATX; VMA6; ATP6D; ATP6DV; VPATPD
Gene ID	9114
SwissProt ID	P61421

Application

Dilution Ratio	WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200 IP: 1/20
Molecular Weight	Calculated MW: 40 kDa; Observed MW: 40 kDa

Background

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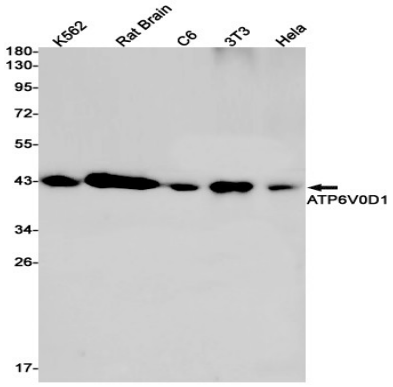
Subunit of the integral membrane V0 complex of vacuolar ATPase. Vacuolar ATPase is responsible for acidifying a variety of intracellular compartments in eukaryotic cells, thus providing most of the energy required for transport processes in the vacuolar system. May play a role in coupling of proton transport and ATP hydrolysis . May play a role in cilium biogenesis through regulation of the transport and the localization of proteins to the cilium . 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).

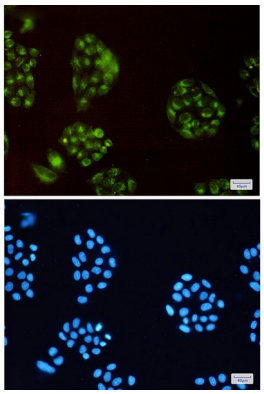
Research Area

Signal Transduction

Image Data



Western blot analysis of ATP6V0D1 in K562, rat Brain, C6, 3T3, Hela lysates using ATP6V0D1 antibody.



Immunocytochemistry analysis of ATP6V0D1(green) in Hela using ATP6V0D1 antibody,and DAPI(blue)

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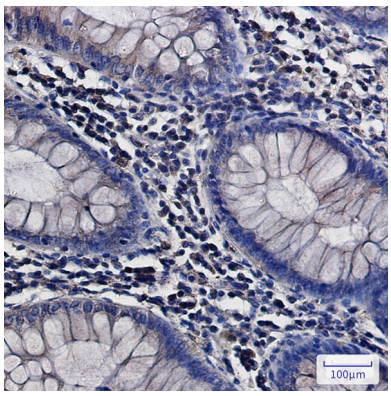

Immunohistochemistry analysis of paraffin-embedded Human colon cancer using ATP6V0D1 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

Note

For research use only.