

产品名称: ATP6V0D1 Rabbit Monoclonal Antibody
产品货号: AMRe01699



产品概述 (Summary)

产品名称 (Production Name)	ATP6V0D1 Rabbit Monoclonal Antibody
描述 (Description)	Recombinant rabbit monoclonal antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,IP
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Monoclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
纯化方式 (Purification)	Affinity Purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	ATP6V0D1
别名 (Alternative Names)	P39; VATX; VMA6; ATP6D; ATP6DV; VPATPD
基因 ID (Gene ID)	9114
蛋白 ID (SwissProt ID)	P61421.

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:1000,IHC 1:50-1:100,ICC/IF 1:50-1:200,IP 1:20-1:50
蛋白分子量 (Molecular Weight)	Calculated MW: 40 kDa; Observed MW: 40 kDa

研究背景 (Background)

Subunit of the integral membrane V0 complex of vacuolar ATPase. Vacuolar ATPase is responsible for acidifying a variety of

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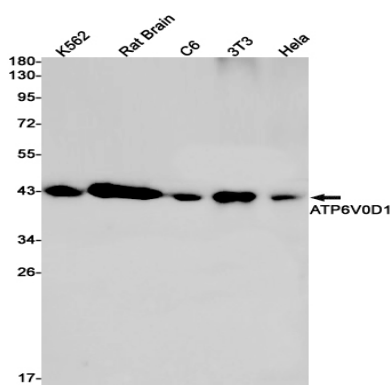


intracellular compartments in eukaryotic cells, thus providing most of the energy required for transport processes in the vacuolar system. May play a role in coupling of proton transport and ATP hydrolysis . May play a role in cilium biogenesis through regulation of the transport and the localization 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).

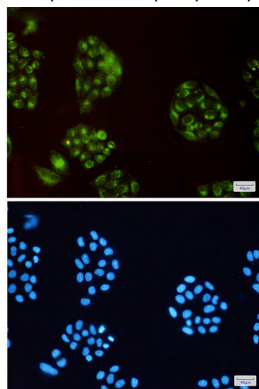
研究领域 (Research Area)

Signal Transduction

图片 (Image Data)

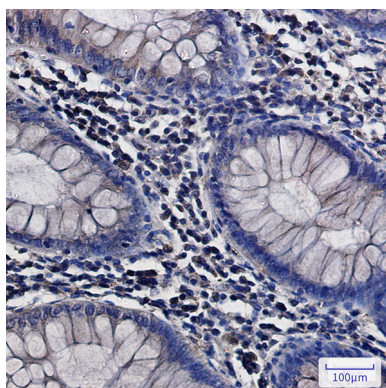


Western blot analysis of ATP6V0D1 in K562, rat Brain, C6, 3T3, HeLa lysates using ATP6V0D1 antibody.



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.

注意事项 (Note)

For research use only .