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Product datasheet for TA383786M

ATP6V0D1 Rabbit Monoclonal Antibody [Clone ID: R07-1A5]

Product data:

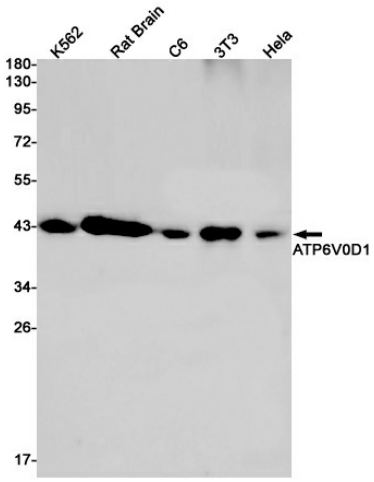
Product Type:	Primary Antibodies
Clone Name:	R07-1A5
Applications:	IF, IHC, IP, WB
Recommended Dilution:	WB: 1/1000 IHC: 1/20 ICC/IF: 1/50 IP: 1/20
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	Recombinant protein of human ATP6V0D1
Formulation:	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Stability:	1 year
Predicted Protein Size:	Calculated MW: 40 kDa; Observed MW: 40 kDa
Gene Name:	ATPase H+ transporting V0 subunit d1
Database Link:	Entrez Gene 9114 Human P61421

View online »

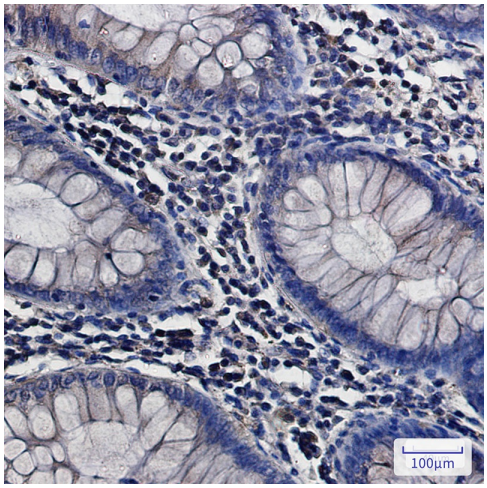
Background: Swiss-Prot Acc.P61421.Subunit of the integral membrane V0 complex of vacuolar ATPase. Vacuolar ATPase is responsible for acidifying a variety of intracellular compartments in eukaryotic cells, thus providing most of the energy required for transport processes in the vacuolar system. May play 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).

Synonyms: ATP6D; ATP6DV; P39; VATX; Vma6; VPATPD

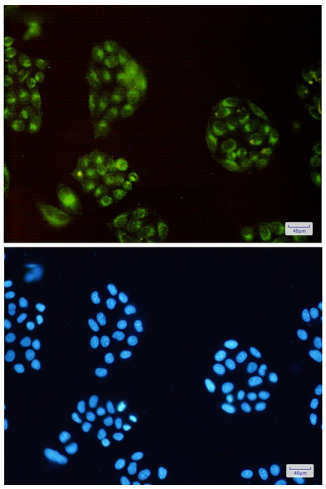
Product images:



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



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.



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