

**ATP6V0D1 monoclonal antibody**

Catalog: MB10594

Host: Rabbit

Reactivity: Human, Mouse, Rat

**BackGround:**

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 Fe<sup>2+</sup> prolyl hydroxylase (PHD) enzymes, and leading to HIF1A hydroxylation and subsequent proteasomal degradation (PubMed:28296633).

**Product:**

50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA

**Molecular Weight:**

Calculated MW: 40 kDa; Observed MW: 40 kDa

**Swiss-Prot:**

P61421

**Purification&Purity:**

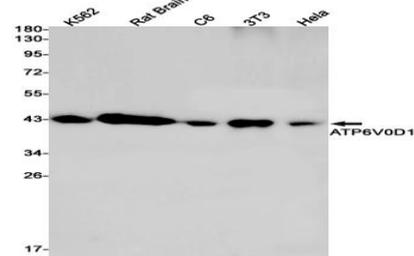
Affinity Purified

**Applications:**

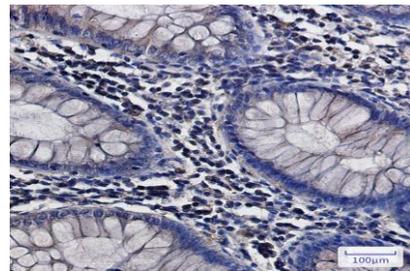
WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200  
IP: 1/20

**Storage&Stability:**

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

**Isotype:****IgG****DATA:**

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



Immunocytochemistry analysis of ATP6V0D1 in HeLa using ATP6V0D1 antibody, and DAPI

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, not for use in diagnostic procedure.

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