



ATP6V1G1 mouse mAb

Catalog No	YP-mAb-18188
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	ATP6V1G1 ATP6G ATP6G1 ATP6J
Immunogen	Synthesized peptide derived from human ATP6V1G1
Specificity	This antibody detects endogenous levels of ATP6V1G1 at Human, Mouse
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	V-ATPase 13 kDa subunit 1;V ATPase subunit G 1;ATP6J;ATP6GL;ATP6G1; ATP6V1G1;ATP6V1G1 ATP6G ATP6G1 ATP6J;V-type proton ATPase subunit G 1 (V-ATPase subunit G 1) (V-ATPase 13 kDa subunit 1) (Vacuolar proton pump subunit G 1) (Vacuolar proton pump subunit M16)
Observed Band	14 kDa
Calculated Molecular Weight	118 aa, 14 kDa
Cell Pathway	Apical cell membrane .
Tissue Specificity	Kidney; localizes to early distal nephron, encompassing thick ascending limbs and distal convoluted tubules (at protein level) (PubMed:29993276). Ubiquitous (PubMed:12384298).
Function	Subunit of the V1 complex of vacuolar(H ⁺)-ATPase (V-ATPase), a multisubunit enzyme composed of a peripheral complex (V1) that hydrolyzes ATP and a membrane integral complex (V0) that translocates protons . V-ATPase is responsible for acidifying and maintaining the pH of intracellular compartments and in some cell types, is targeted to the plasma membrane, where it is responsible for acidifying the extracellular environment . In aerobic conditions, involved in intracellular iron homeostasis, thus triggering the activity of Fe(2+) prolyl hydroxylase (PHD) enzymes, and leading to HIF1A hydroxylation and



subsequent proteasomal degradation .

Background

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images