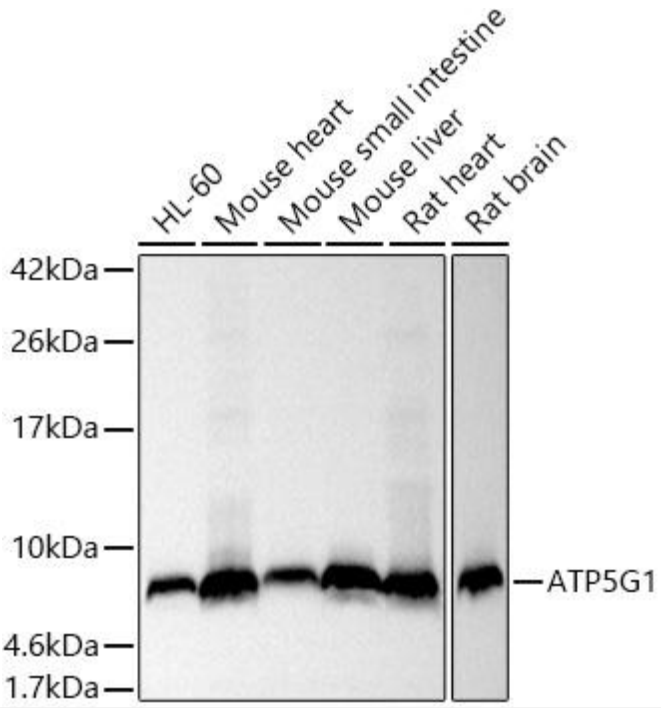
ATP5G1 Mouse mAb

Catalog No	YP-mAb-19601
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB
Gene Name	
Immunogen	Synthetic peptide . This information is considered to be commercially sensitive .
Specificity	
Formulation	
Source	Monoclonal,Mouse,IgG
Purification	Affinity purification
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-15°C to -25°C/1 year(Do not lower than -25°C)
Synonyms	ATP5A; ATP5G; ATP5G1
Observed Band	8kDa
Calculated Molecular Weight	14kDa
Cell Pathway	
Tissue Specificity	
Function	
Background	This gene encodes a subunit of mitochondrial ATP synthase . Mitochondrial ATP synthase catalyzes ATP synthesis, utilizing an electrochemical gradient of protons across the inner membrane during oxidative phosphorylation . ATP synthase is composed of two linked multi-subunit complexes: the soluble catalytic core, F1, and the membrane spanning component, Fo, comprising the proton channel . The catalytic portion of mitochondrial ATP synthase consists of 5 diferent subunits (alpha, beta, gamma, delta, and epsilon) assembled with a stoichiometry of 3 alpha, 3 beta, and a single representative of the other 3. The proton channel seems to have nine subunits (a, b, c, d, e, f, g, F6 and 8). This gene is one of three genes that encode subunit c of the proton channel . Each of the three genes have distinct mitochondrial import sequences but encode the identical mature protein . Alternatively spliced transcript variants encoding the same protein have been identifed .

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



Western blot analysis of various lysates using ATP5G1 Mouse mAb at 1:1000 dilution .

Secondary antibody: HRP-conjugated Goat anti-Mouse IgG (H+L) at 1:10000 dilution .

Lysates/proteins: 25μg per lane .

Blocking bufer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit. Exposure time: 1s