
Product Name: ATP5G Rabbit Monoclonal antibody**Catalog #: AMRe01698**

For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,IHC,IP
Reactivity	Human,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal Antibody
Form	Liquid
Concentration	0.18mg/ml. The concentration of this product may be batch-dependent.
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
Purification	Affinity Purified

Application

Dilution Ratio	WB 1:500-1:1000,IHC 1:50-1:100,IP 1:20-1:50
Molecular Weight	Calculated MW: 14 kDa; Observed MW: 14 kDa

Antigen Information

Gene Name	ATP5MC1
Alternative Names	ATP synthase lipid-binding protein; ATP synthase membrane subunit c locus 1
Gene ID	516/517/518
SwissProt ID	P05496/Q06055/P48201
Immunogen	A synthetic peptide of human ATP5G1/G2/G3

Background

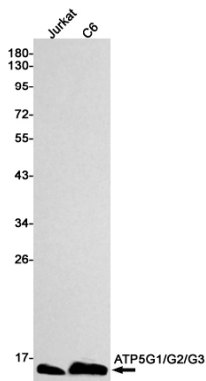
Mitochondrial membrane ATP synthase (F1F0 ATP synthase or Complex V) produces ATP from ADP in the presence of a proton gradient across the membrane which is generated by electron transport complexes of the respiratory chain. F-type ATPases

consist of two structural domains, F1 - containing the extramembraneous catalytic core and F0 - containing the membrane proton channel, linked together by a central stalk and a peripheral stalk. During catalysis, ATP synthesis in the catalytic domain of F1 is coupled via a rotary mechanism of the central stalk subunits to proton translocation. Part of the complex F0 domain. A homomeric c-ring of probably 10 subunits is part of the complex rotary element. Miscellaneous There are three genes which encode the mitochondrial ATP synthase proteolipid and they specify precursors with different import sequences but identical mature proteins. Is the major protein stored in the storage bodies of animals or humans affected with ceroid lipofuscinosis (Batten disease).

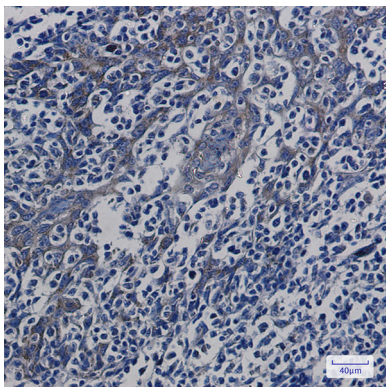
Research Area

Signal Transduction

Image Data



Western blot analysis of ATP5G1/G2/G3 in Jurkat, C6 lysates using ATP5G antibody.



Immunohistochemistry analysis of paraffin-embedded Human tonsil using ATP5G1/G2/G3 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.