Anti-ATP5G Rabbit Monoclonal Antibody

Introduction

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.MiscellaneousThere 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).

Product parameters

Alternative Names	ATP synthase lipid-binding protein; ATP synthase membrane subunit c locus 1
Gene ID	516/517/518
Gene Name	ATP5MC1
SwissProt ID	P05496/Q06055/P48201
Host	Rabbit
Reactivity	Human, Rat
Molecular Weight	Calculated MW: 14 kDa; Observed MW: 14 kDa
Conjugation	Unconjugated
Ex	-
Em	-
Modification	Unmodified
Clonality	IgG
Isotype	Monoclonal Antibody
Clonality No.	AP-18G3H10
Form	Liquid
Concentration	See label
Carrier	Carrier Not Free
Immunogen	A synthetic peptide of human ATP5G1/G2/G3

Purification	Affinity Purified
Buffer System	50mM Tris-Glycine (pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA.
Application	WB, IHC-P, IP
Dilution Ratio	WB: 1/500-1/1000 IHC: 1/50-1/100 IP: 1/20
Research Field	Signal Transduction
Product Categories	Primary antibody
Shipping	Blue ice
Storage	-20°C
Expiration Date	12 months
Note	Please avoid freeze-thaw cycles.

Protocol

Configure the product according to the application range and recommended dilution ratio.

***Note:** The primary antibody dilution buffer options: WB - Primary Antibody Dilution Buffer (Cat. #: K1200, Not for HRP/AP conjugated antibodies), Immunostaining - Immunol Staining Primary Antibody Dilution Solution (Cat. #: K4655).

Note

1. This product is for scientific research use only.

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