For Research Use Only

Multi-rAb™ ATP5A1 Multi-Recombinant

antibody Catalog Number:RMX00023

| Applications Tested, WB, IHC Species human, | | GeneID (NCBI): 498 UNIPROT ID: P25705 Full Name: ATP synthase, H+ tra mitochondrial F1 co subunit 1, cardiac m Calculated MW: 60 kDa Observed MW: 50-55 kDa | mplex, alpha uscle | Recommended Dilutions: WB 1:20000-1:100000 IHC 1:500-1:2000 IF/ICC 1:50-1:500 |
|---|--|--|---|--|
| WB, IHC Species human, | , IF/ICC, ELISA | | Positive Con | role |
| | | | ly, antigen | |
| TE buj retriev | HC: suggested antigen ru fer pH 9.0; (*) Alternativ ral may be performed w pH 6.0 | vely, antigen | | |
| presence F1F0 AT catalyti A6L, an ATP5A1 mitoche antiboo MW of A | te of a proton gradient across t IP synthase, is a multi-subunit c core and the Fo-containing t d F6. F1 is composed of subuni L has been linked to the fatal n ondria and anti-ATP5A1 can be by recognizes the endogenous | the membrane. The m t enzyme complex co the membrane proton its α, β, γ, δ, ε, and a l neonatal mitochondri e used as the loading ATP5A1 protein in ly lergoes the transit pe | itochondrial ATI nsisting of two f channel. F0 don posely attached al encephalopat control for mitor sates from vario otide cleavage t | hich produces ATP from ADP in the P synthase, also known as Complex V o unctional domains, the F1-containing th nain has 10 subunits: a,b, c, d, e, f, g, OSG inhibitor protein IF1. Recently defect in thy. ATP5A1 is localized in the chondrial or Complex V proteins. This us cell lines and tissues. The predicted o become a mature form around 50-55 |
| Storage | -20°C. Stable for one year afte | | | |
| Aliquot *** 20ul sizes contain 0.1% BSA | ing is unnecessary for -20°C st | torage | | |

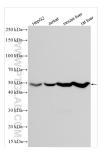
For technical support and original validation data for this product please contact:T: 1 (888) 4PTGLAB (1-888-478-4522) (toll freeE: proteintech@ptglab.comin USA), or 1(312) 455-8498 (outside USA)W: ptglab.com

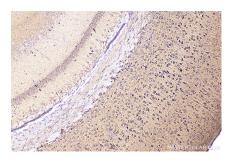
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Antibodies | ELISA kits | Proteins

Selected Validation Data







Various lysates were subjected to SDS PAGE followed by western blot with RMX00023 (ATP5A1 antibody) at dilution of 1:50000 incubated at room temperature for 1.5 hours. Immunohistochemical analysis of paraffinembedded mouse brain tissue slide using RMX00023 (ATP5A1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using ATP5A1 antibody (RMX00023) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).