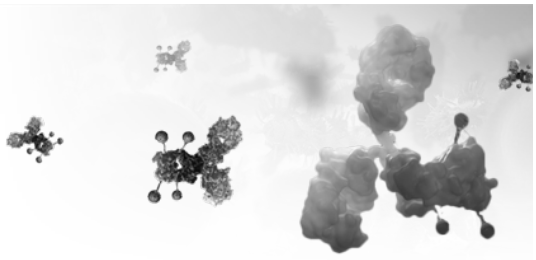

Mouse anti-Human ATP5J monoclonal antibody, clone 2G21 (CABT-B9815)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	ATP5J (AAH01178, 1 a.a. ~ 109 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	2G21
Conjugate	Unconjugated
Applications	WB,sELISA,ELISA
Sequence Similarities	MILQRLFRFSSVIRSAVSVHLRRNIGVTAVAFNKELDPIQKLFVDKIREYKSKRQTSGGP VDASSEYQQELERELFKLKQMFGNADMNTFPTFKFEDPKFEVIEKPQA*
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	Mitochondrial ATP synthase catalyzes ATP synthesis, utilizing an electrochemical gradient of protons across the inner membrane during oxidative phosphorylation. It is composed of two

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	linked multi-subunit complexes: the soluble catalytic core, F1, and the membrane-spanning component, Fo, which comprises the proton channel. The F1 complex consists of 5 different subunits (alpha, beta, gamma, delta, and epsilon) assembled in a ratio of 3 alpha, 3 beta, and a single representative of the other 3. The Fo seems to have nine subunits (a, b, c, d, e, f, g, F6 and 8). This gene encodes the F6 subunit of the Fo complex, required for F1 and Fo interactions. Alternatively spliced transcript variants encoding different isoforms have been identified for this gene. A pseudogene exists on chromosome Yp11.[provided by RefSeq, Jun 2010]
Keywords	ATP5J; ATP synthase, H+ transporting, mitochondrial Fo complex, subunit F6; F6; CF6; ATP5; ATPM; ATP5A; ATP synthase-coupling factor 6, mitochondrial; ATPase subunit F6; coupling factor 6; proliferation-inducing protein 36; mitochondrial ATP synthase, subunit F6; mitochondrial ATPase coupling factor 6; mitochondrial ATP synthase, coupling factor 6; ATP synthase, H+ transporting, mitochondrial F0 complex, subunit F6;

GENE INFORMATION

Entrez Gene ID	522
UniProt ID	Q6NZ59
Pathway	Alzheimer"s disease, organism-specific biosystem; Alzheimer"s disease, conserved biosystem; Electron Transport Chain, organism-specific biosystem; FOXA1 transcription factor network, organism-specific biosystem; Formation of ATP by chemiosmotic coupling, organism-specific biosystem; Huntington"s disease, organism-specific biosystem
Function	contributes_to ATPase activity; hydrogen ion transmembrane transporter activity; transmembrane transporter activity; transporter activity

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