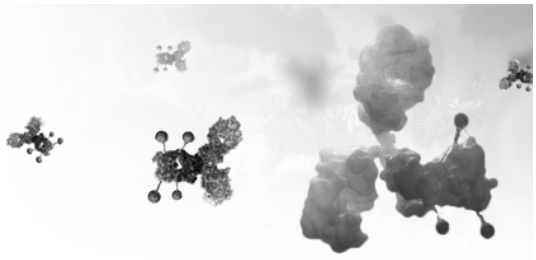

Anti-ATP5J (aa 9-108) polyclonal antibody (DPAB-DC2227)

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

PRODUCT INFORMATION

Antigen Description	Mitochondrial ATP synthase catalyzes ATP synthesis, utilizing an electrochemical gradient of protons across the inner membrane during oxidative phosphorylation. It is composed of two 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]
Immunogen	ATP5J (NP_001003696, 9 a.a. ~ 108 a.a) partial recombinant protein with GST tag. The sequence is FSSVIRSAVSVHLRRNIGVTAVAFNKELDPIQKLFVDKIREYKSKRQTSGGPVDASSEYQQELERELFKLKQMFGNADMNTFPTFKFEDPKFEVIEKPQA
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221
© Creative Diagnostics All Rights Reserved

Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	ATP5J ATP synthase, H+ transporting, mitochondrial Fo complex, subunit F6 [Homo sapiens (human)]
Official Symbol	ATP5J
Synonyms	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;
Entrez Gene ID	522
Protein Refseq	NP_001003696
UniProt ID	P18859
Chromosome Location	21q21.1
Pathway	Alzheimers disease; Electron Transport Chain; F-type ATPase, eukaryotes; Formation of ATP by chemiosmotic coupling.
Function	contributes_to ATPase activity; hydrogen ion transmembrane transporter activity; transmembrane transporter activity; transporter activity

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221
© Creative Diagnostics All Rights Reserved