

Recombinant

DGRmAb®

ATP synthase C (DGR11540) Rabbit mAb

db13011

Package : 10µL 20µL 50µL 100µL

Product Name : ATP synthase C (DGR11540) Rabbit mAb**Cat.No.:** db13011**Synonyms** : ATP5A; ATP5G**Application** : WB, ICC/IF**Reactivity** : Human,Mouse,Rat**Host species** : Rabbit**Background**

This gene encodes a subunit of mitochondrial ATP synthase. Mitochondrial ATP synthase catalyzes ATP synthesis, utilizing an electrochemical gradient of protons across the inner membrane during oxidative phosphorylation. ATP synthase is composed of two linked multi-subunit complexes: the soluble catalytic core, F1, and the membrane-spanning component, Fo, comprising the proton channel. The catalytic portion of mitochondrial ATP synthase consists of 5 different subunits (alpha, beta, gamma, delta, and epsilon) assembled with a stoichiometry of 3 alpha, 3 beta, and a single representative of the other 3. The proton channel seems to have nine subunits (a, b, c, d, e, f, g, F6 and 8). This gene is one of three genes that encode subunit c of the proton channel. Each of the three genes have distinct mitochondrial import sequences but encode the identical mature protein. Alternatively spliced transcript variants encoding the same protein have been identified. [provided by RefSeq, Jul 2008]

Immunogen

A synthetic peptide of human ATP synthase C

Gene ID

516

Swiss Prot

P05496

Synonyms

ATP5A; ATP5G

Reactivity

Human,Mouse,Rat

Application

WB, ICC/IF

Recommended dilutionWB: 1:1000
ICC/IF: 1:100**Calculated MW**

14 kDa

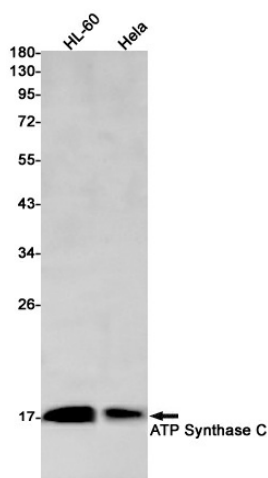
Observed MW

8 kDa

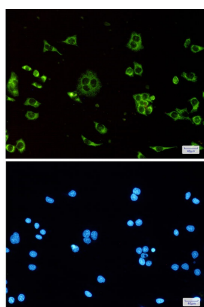
Host species

Rabbit

Clonality	Monoclonal
Clonality No.	DGR11540
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



Western blot detection of ATP Synthase C in HL-60, HeLa cell lysates using ATP Synthase C antibody(1:1000 diluted).



Immunofluorescent analysis of HeLa cells using db13011 antibody (green), and DAPI (blue).