Recombinant DGRmAb®

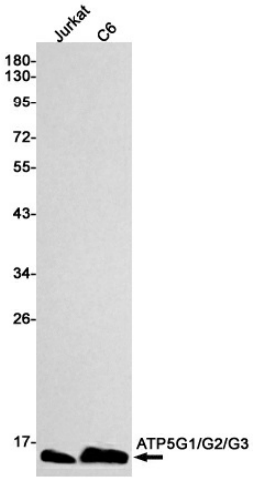
ATP5G1/G2/G3 (DGR15206) Rabbit mAb (PBS Only)

db14308-PBS **Package : 100μg**

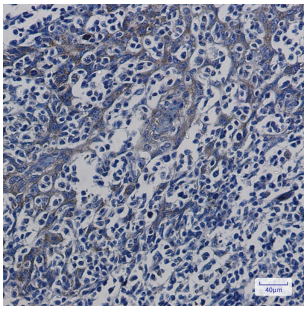
Product Name : ATP5G1/G2/G3 (DGR15206) Rabbit mAb (PBS Only)
Cat.No.: db14308-PBS
Synonyms : ATP5A; ATP5G; ATP5G1
Application : WB, IHC-P
Reactivity : Human,Mouse,Rat
Host species : Rabbit

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 ATP5G1/G2/G3
Gene ID	516
Swiss Prot	P05496
Synonyms	ATP5A; ATP5G; ATP5G1
Reactivity	Human,Mouse,Rat
Application	WB, IHC-P
Recommended dilution	WB: 1:1000-1:5000 IHC-P: 1:100
Calculated MW	14 kDa
Observed MW	14 kDa
Host species	Rabbit

Clonality	Monoclonal
Clonality No.	DGR15206
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Concentration	1 mg/ml
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



Western blot detection of ATP5G1/G2/G3 in Jurkat,C6 cell lysates using db14308(1:1000 diluted).



Immunohistochemical analysis of paraffin-embedded human tonsil using db14308