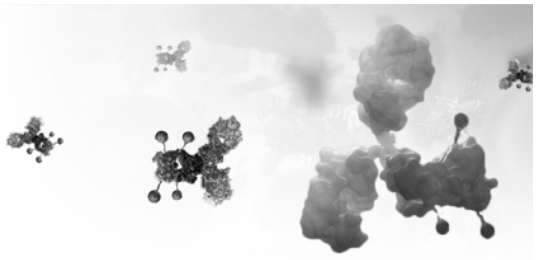

Rabbit Anti-ATP5B monoclonal antibody, clone KN21-01 (DCABH-5523)

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

PRODUCT INFORMATION

Target	ATPB
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat, Zebrafish
Clone	KN21-01
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, IP, ICC/IF, IHC
Cellular Localization	Mitochondrion. Mitochondrion inner membrane. Peripheral membrane protein.
Positive Control	293T, HepG2, A431, Hela, human liver tissue, human kidney tissue, mouse uterus tissue, mouse liver muscle tissue, mouse brain tissue, mouse heart tissue, zebrafish tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide

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Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction	Mitochondrial membrane ATP synthase (F(1)F(0) ATP synthase or Complex V) produces ATP from ADP in the presence of a proton gradient across the membrane which is generated by electron transport complexes of the respiratory chain. F-type ATPases consist of two structural domains, F(1) - containing the extramembraneous catalytic core, and F(0) - containing the membrane proton channel, linked together by a central stalk and a peripheral stalk. During catalysis, ATP synthesis in the catalytic domain of F(1) is coupled via a rotary mechanism of the central stalk subunits to proton translocation. Subunits alpha and beta form the catalytic core in F(1). Rotation of the central stalk against the surrounding alpha(3)beta(3) subunits leads to hydrolysis of ATP in three separate catalytic sites on the beta subunits.
Keywords	ATP 5B;ATP synthase H+ transporting mitochondrial F1 complex beta polypeptide;ATP synthase subunit beta mitochondrial;ATP synthase subunit beta, mitochondrial;atp5b;ATPB;ATPB_HUMAN;ATPMB;ATPSB;Epididymis secretory protein Li 271;HEL-S-271;Mitochondrial ATP synthase beta subunit;Mitochondrial ATP Synthase Subunit Beta;Mitochondrial ATP synthetase beta subunit antibody

GENE INFORMATION

Entrez Gene ID	2146

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