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Product datasheet for TA363031

Atp5b Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of mouse ATP5B
Specificity:	**Expected reactivity**: Mouse
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	56 kDa
Gene Name:	ATP synthase, H+ transporting mitochondrial F1 complex, beta subunit
Database Link:	NP_058054.2 Entrez Gene 11947 Mouse P56480

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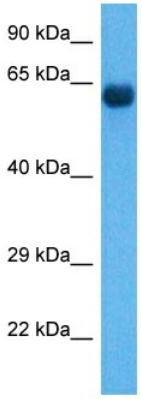
Background: Mitochondrial membrane ATP synthase (F1F0Â ATP synthase or Complex V) produces ATP from ADP in the presence of a proton gradient across the membrane which is generated by electron transport complexes of the respiratory chain. F-type ATPases consist of two structural domains, F1Â - containing the extramembraneous catalytic core, and F0Â - containing the membrane proton channel, linked together by a central stalk and a peripheral stalk. During catalysis, ATP synthesis in the catalytic domain of F1Â is coupled via a rotary mechanism of the central stalk subunits to proton translocation. Subunits alpha and beta form the catalytic core in F1. Rotation of the central stalk against the surrounding alpha3beta3Â subunits leads to hydrolysis of ATP in three separate catalytic sites on the beta subunits.

Synonyms: ATPMB; ATPSB; MGC5231

Product images:



Host: Rabbit
Target Name: Atp5b
Sample Type: Mouse Lung Lysate
Antibody Dilution: 1.0µg/ml

Host: Rabbit
Target Name: ATP5B
Sample Tissue: Mouse Lung lysates
Antibody Dilution: 1ug/ml