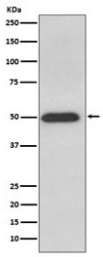
ATP5B Antibody / ATP5F1B / ATP synthase subunit beta [clone AADH-1] (RQ5153)

Catalog No.	Formulation	Size
RQ5153	Antibody in PBS with 0.02% sodium azide, 50% glycerol and 0.4-0.5mg/ml BSA	100 ul

Bulk quote request

Availability	1-2 weeks
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	AADH-1
Purity	Affinity purified
UniProt	P06576
Applications	Western Blot : 1:500-1:2000
Limitations	This ATP5B antibody is available for research use only.



Western blot testing of human HeLa cell lysate with ATP5B antibody. Predicted molecular weight ~56 kDa.

Description

The ATP5F1B 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 consists of three main subunits (a, b, c). This gene encodes the beta subunit of the catalytic core. [RefSeq]

Application Notes

Optimal dilution of the ATP5B antibody should be determined by the researcher.

Immunogen

A synthetic peptide specific to human ATP5B was used as the immunogen for the ATP5B antibody.

Storage

Store the ATP5B antibody at -20oC.