

For Research Use Only

ATP6 Monoclonal antibody

Catalog Number: 68442-1-Ig



Basic Information

Catalog Number: 68442-1-Ig	GenBank Accession Number: YP_003024031	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 4508	CloneNo.: 1H4G5
Source: Mouse	Full Name: ATP synthase 6; ATPase subunit 6	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG1	Calculated MW: 25 kDa	
Immunogen Catalog Number: AG31940	Observed MW: 25-30 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : rat cerebellum tissue, Rat heart tissue, Rat liver tissue
Species Specificity: Human, Rat	

Background Information

ATP synthase, also known as FoF1 complex, is a critical mitochondrial OXPHOS enzyme involved in the regulation of mitochondrial ATP production and in the maintenance of the mitochondrial membrane potential. It is composed of three components (F1, Fo and the peripheral stalk). F1, the soluble catalytic core, is above the membrane, inside the matrix of the mitochondria; consists of 5 different subunits (alpha, beta, gamma, delta, and epsilon); Fo, comprising the proton channel, is within the membrane; Fo seems to have nine subunits (a, b, c, d, e, f, g, F6 and 8). ATP6 is the a subunit of Fo region.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

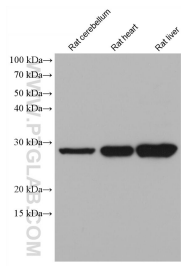
For technical support and original validation data for this product please contact:

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68442-1-Ig (ATP6 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.