

For Research Use Only

ATP6 Polyclonal antibody

Catalog Number: 55313-1-AP **44 Publications**



Basic Information

Catalog Number: 55313-1-AP	GenBank Accession Number: J01415	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 650 µg/ml by Nanodrop;	GeneID (NCBI): 4508	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	Full Name: ATP synthase 6; ATPase subunit 6	
Isotype: IgG	Calculated MW: 25 kDa	
	Observed MW: 25-30 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse brain tissue, C2C12 cells, rat brain
Cited Applications: WB, IF, IHC	
Species Specificity: human, mouse, rat	
Cited Species: human, rat, mouse	

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Uwe Richter	30262910	Nat Commun	WB
Zhiyuan Tian	36269211	Toxicol Sci	WB
Dongfang Hu	29051574	Sci Rep	WB

Storage

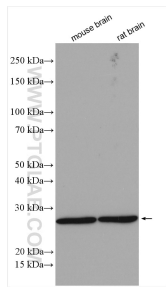
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 55313-1-AP (ATP6 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.