

Product Data Sheet

ATP synthase B1 Antibody

Lot Number: PL1956171C

Tested Species Reactivity	
Human (Hu)	
Mouse (Ms)	

Tested Applications	Dilution *
Western Blot (WB)	1:500-1:3000
Immunofluorescence (IF)	1:100-1:1000
Immunocytochemistry (ICC)	1:100-1:1000
Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1000

* Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own experiment using appropriate negative and positive controls.

Details	
Catalog Number:	PA5-27826
Size:	100 ul
Class:	Polyclonal
Type:	Antibody
Clone:	
Host / Isotype:	Rabbit / IgG
Immunogen:	Recombinant fragment corresponding to a region within amino acids 66 and 256 of Human ATP synthase B1

Form Information	
Form:	Liquid
Concentration:	0.45mg/ml
Purification:	Antigen affinity chromatography
Storage Buffer:	0.1M tris, pH 7, with 20% glycerol, 0.1M glycine
Preservative:	0.01% thimerosal
Storage Conditions:	-20° C, Avoid Freeze/Thaw Cycles

Product Specific Information	General Information
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PA5-27826 targets ATP synthase B1 in IF, IHC-P, and WB applications and shows reactivity with Human and mouse samples.

The PA5-27826 immunogen is recombinant fragment corresponding to a region within amino acids 66 and 256 of Human ATP synthase B1.

This 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 seems to have nine subunits (a, b, c, d, e, f, g, F6 and 8). This gene encodes the b subunit of the proton channel.

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