

ATPB Rabbit pAb

CatalogNo: YN5748

| Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB

MW

- 58kD (Calculated)

Isotype

- IgG

| Recommended Dilution Ratios

WB 1:500-2000

| Storage

Storage* -15°C to -25°C/1 year(Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

| Basic Information

Clonality Polyclonal

| Immunogen Information

Immunogen Synthesized peptide derived from human ATPB

Specificity This antibody detects endogenous levels of ATPB at Human, Mouse, Rat

| Target Information

Gene name ATP5B ATPMB ATPSB

Protein Name	ATP synthase subunit beta, mitochondrial (EC 3.6.3.14)		
	Organism	Gene ID	UniProt ID
	Human	506 ;	P06576 ;
	Mouse	11947 ;	P56480 ;
	Rat	171374 ;	P10719 ;
Cellular Localization	Mitochondrion inner membrane ; Peripheral membrane protein ; Matrix side .		
Function	Mitochondrial membrane ATP synthase (F(1)F(0) 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, F(1) - containing the extramembraneous catalytic core, and F(0) - containing the membrane proton channel, linked together by a central stalk and a peripheral stalk. During catalysis, ATP synthesis in the catalytic domain of F(1) is coupled via a rotary mechanism of the central stalk subunits to proton translocation. Subunits alpha and beta form the catalytic core in F(1). Rotation of the central stalk against the surrounding alpha(3)beta(3) subunits leads to hydrolysis of ATP in three separate catalytic sites on the beta subunits.		

Validation Data

Contact information

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ATPB Rabbit pAb

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