

## 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

<b>Protein Name</b>	ATP synthase subunit beta, mitochondrial (EC 3.6.3.14)		
	<b>Organism</b>	<b>Gene ID</b>	<b>UniProt ID</b>
	Human	<a href="#">506;</a>	<a href="#">P06576;</a>
	Mouse	<a href="#">11947;</a>	<a href="#">P56480;</a>
	Rat	<a href="#">171374;</a>	<a href="#">P10719;</a>
<b>Cellular Localization</b>	Mitochondrion inner membrane ; Peripheral membrane protein ; Matrix side .		
<b>Function</b>	Mitochondrial membrane ATP synthase (F1)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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