

## AMPK $\beta$ 1 Rabbit pAb

CatalogNo: YT0218

### Key Features

**Host Species**

- Rabbit

**Reactivity**

- Human, Mouse, Rat, Monkey

**Applications**

- WB, IHC, IF, ELISA

**MW**

- 38kD (Observed)

**Isotype**

- IgG

### 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.

### Recommended Dilution Ratios

**WB 1:500-1:2000****IHC 1:100-1:300****ELISA 1:20000****IF 1:50-200**

### Basic Information

**Clonality**

Polyclonal

### Immunogen Information

**Immunogen**

The antiserum was produced against synthesized peptide derived from human AMPK beta1. AA range:147-196

**Specificity**AMPK $\beta$ 1 Polyclonal Antibody detects endogenous levels of AMPK $\beta$ 1 protein.

### Target Information

Gene name	PRKAB1		
Protein Name	5'-AMP-activated protein kinase subunit beta-1		
	Organism	Gene ID	UniProt ID
	Human	<a href="#">5564</a> ;	<a href="#">Q9Y478</a> ;
	Mouse	<a href="#">19079</a> ;	<a href="#">Q9R078</a> ;
	Rat	<a href="#">83803</a> ;	<a href="#">P80386</a> ;
Cellular Localization	nucleus,nucleoplasm,cytosol,nucleotide-activated protein kinase complex,		
Tissue specificity	Brain,Lung,Muscle,Platelet,		
Function	Function:AMPK is responsible for the regulation of fatty acid synthesis by phosphorylation of acetyl-CoA carboxylase. Also regulates cholesterol synthesis via phosphorylation and inactivation of hydroxymethylglutaryl-CoA reductase and hormone-sensitive lipase. This is a regulatory subunit, may be a positive regulator of AMPK activity. It may also serve as an adaptor molecule for the catalytic alpha-subunit.,PTM:Phosphorylated.,similarity:Belongs to the 5'-AMP-activated protein kinase beta subunit family.,subunit:Heterotrimer of an alpha catalytic subunit, a beta and a gamma non-catalytic regulatory subunits. Interacts with FNIP1 and FNIP2.,		

| Validation Data

| Contact information

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**AMPKβ1 Rabbit pAb**