

## AMPK $\gamma$ 1/2/3 Rabbit pAb

CatalogNo: YT0221

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB, IF, ELISA

#### MW

- 38kD (Observed)

#### Isotype

- IgG

### Recommended Dilution Ratios

**WB 1:500-1:2000**

**IF 1:200-1:1000**

**ELISA 1:5000**

**Not yet tested in other applications.**

### 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

The antiserum was produced against synthesized peptide derived from human PRKAG1/2/3. AA range: 46-95

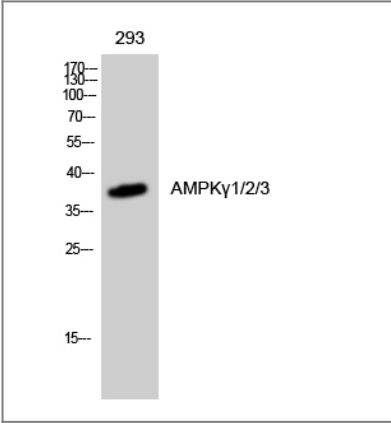
#### Specificity

AMPK $\gamma$ 1/2/3 Polyclonal Antibody detects endogenous levels of AMPK $\gamma$ 1/2/3 protein.

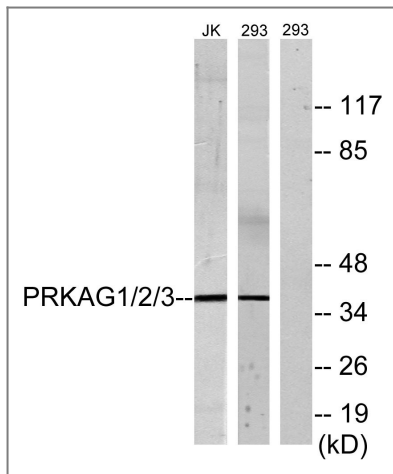
### Target Information

Gene name	PRKAG1/PRKAG2/PRKAG3		
Protein Name	5'-AMP-activated protein kinase subunit gamma-1		
	Organism	Gene ID	UniProt ID
	Human	<a href="#">5571</a> ; <a href="#">51422</a> ; <a href="#">53632</a> ; ;	<a href="#">P54619</a> ; <a href="#">Q9UGJ0</a> ; <a href="#">Q9UGI9</a> ;
	Mouse	<a href="#">19082</a> ; <a href="#">108099</a> ; <a href="#">241113</a> ;	
	Rat	<a href="#">25520</a> ;	<a href="#">P80385</a> ;
Cellular Localization	nucleoplasm,cytosol,membrane,nucleotide-activated protein kinase complex,extracellular exosome,		
Tissue specificity	Fetal liver,Muscle,Testis,		
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.,similarity:Belongs to the 5'-AMP-activated protein kinase gamma subunit family.,similarity:Contains 4 CBS domains.,subunit:Heterotrimer of an alpha catalytic subunit, a beta and a gamma non-catalytic regulatory subunits. Interacts with FNIP1 and FNIP2.,		

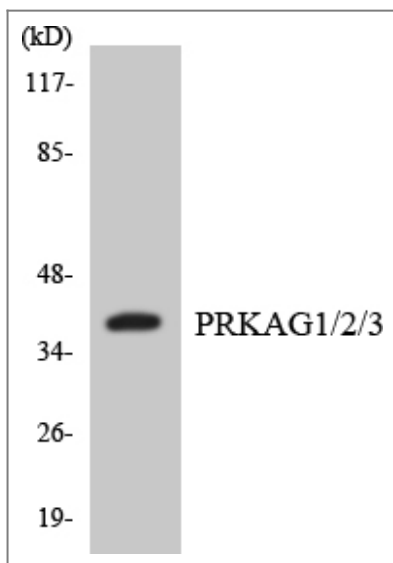
| Validation Data



Western Blot analysis of 293 cells using AMPKγ1/2/3 Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003,Inventbiotech,MN,USA).



Western blot analysis of lysates from 293 and Jurkat cells, using PRKAG1/2/3 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from 293 cells using PRKAG1/2/3 antibody.

## Contact information

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Please scan the QR code to access additional product information:  
**AMPK $\gamma$ 1/2/3 Rabbit pAb**

For Research Use Only. Not for Use in Diagnostic Procedures.

[Antibody](#) | [ELISA Kits](#) | [Protein](#) | [Reagents](#)