

AMPK β 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 β 1 Polyclonal Antibody detects endogenous levels of AMPK β 1 protein.

Target Information

Gene name PRKAB1

Protein Name 5'-AMP-activated protein kinase subunit beta-1

Organism	Gene ID	UniProt ID
Human	5564 ;	Q9Y478 ;
Mouse	19079 ;	Q9R078 ;
Rat	83803 ;	P80386 ;

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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AMPK β 1 Rabbit pAb

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