

AMPK β 2 rabbit pAb

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| Catalog No : | YT7782 |
| Reactivity : | Human;Rat;Mouse; |
| Applications : | WB;ELISA |
| Target : | AMPK β 2 |
| Fields : | >>FoxO signaling pathway;>>AMPK signaling pathway;>>Longevity regulating pathway;>>Longevity regulating pathway - multiple species;>>Apelin signaling pathway;>>Tight junction;>>Circadian rhythm;>>Thermogenesis;>>Insulin signaling pathway;>>Adipocytokine signaling pathway;>>Oxytocin signaling pathway;>>Glucagon signaling pathway;>>Insulin resistance;>>Non-alcoholic fatty liver disease;>>Alcoholic liver disease;>>Hypertrophic cardiomyopathy |
| Gene Name : | PRKAB2 |
| Protein Name : | AMPK β 2 |
| Human Gene Id : | 5565 |
| Human Swiss Prot No : | O43741 |
| Mouse Gene Id : | 108097 |
| Mouse Swiss Prot No : | Q6PAM0 |
| Rat Gene Id : | 64562 |
| Rat Swiss Prot No : | Q9QZH4 |
| Immunogen : | Synthesized peptide derived from human AMPK β 2 AA range: 130-210 |
| Specificity : | This antibody detects endogenous levels of Human AMPK β 2 |
| Formulation : | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| Source : | Polyclonal, Rabbit,IgG |

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| Dilution : | WB 1:1000-2000 ELISA 1:5000-20000 |
| Purification : | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| Concentration : | 1 mg/ml |
| Storage Stability : | -15 °C to -25 °C/1 year(Do not lower than -25 °C) |
| Molecularweight : | 30kD |
| Background : | 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 adapter molecule for the catalytic alpha-subunit.,PTM:Phosphorylated when associated with the catalytic subunit.,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., |
| Function : | fatty acid metabolic process, fatty acid biosynthetic process, lipid biosynthetic process, regulation of cellular ketone metabolic process, organic acid biosynthetic process, regulation of lipid metabolic process, regulation of fatty acid metabolic process, regulation of fatty acid oxidation, carboxylic acid biosynthetic process, |

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