

兔抗 PRKAG1/2/3 多克隆抗体

中文名称：兔抗 PRKAG1/2/3 多克隆抗体

英文名称： Anti-PRKAG1/2/3 rabbit polyclonal antibody

别名： AMPKG

相关类别： 一抗

抗原： PRKAG1/2/3

储存： 冷冻（-20℃）避光

宿主： Rabbit

反应种属： Human Mouse Rat

标记物： Unconjugate

克隆类型： Unconjugate

技术规格

Background:

AMP/ATP-binding subunit of AMP-activated protein kinase (AMPK), an energy sensor protein kinase that plays a key role in regulating cellular energy metabolism. In response to reduction of intracellular ATP levels, AMPK activates energy-producing pathways and inhibits energy-consuming processes: inhibits protein, carbohydrate and lipid biosynthesis, as well as cell growth and proliferation. AMPK acts via direct phosphorylation of metabolic enzymes, and by long-term effects via phosphorylation of transcription regulators. Also acts as a regulator of cellular polarity by remodeling

| | |
|---------------------------------|--|
| | <p>ling the actin cytoskeleton; probably by indirectly activating myosin. Gamma non-catalytic subunit mediates binding to AMP, ADP and ATP, leading to activate or inhibit AMPK: AMP-binding results in allosteric activation of alpha catalytic subunit (PRKAA1 or PRKAA2) both by inducing phosphorylation and preventing dephosphorylation of catalytic subunits. ADP also stimulates phosphorylation, without stimulating already phosphorylated catalytic subunit. ATP promotes dephosphorylation of catalytic subunit, rendering the AMPK enzyme inactive.</p> |
| Applications: | WB |
| Name of antibody: | PRKAG1/2/3 |
| Immunogen: | Synthesized peptide derived from internal of human PRKAG1/2/3. |
| Full name: | protein kinase, AMP-activated, gamma 1 non-catalytic subunit |
| Synonyms : | AMPKG |
| SwissProt: | P54619 |
| WB Predicted band size: | 38 kDa |
| WB Positive control: | Jurkat cells and 293 cells lysates |
| WB Recommended dilution: | 500-3000 |

