

**AMPK beta 1 Rabbit mAb**  
Catalog # AP77563**Specification**

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**AMPK beta 1 Rabbit mAb - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">Q9Y478</a>
Reactivity	<b>Human, Mouse, Rat</b>
Host	<b>Rabbit</b>
Clonality	<b>Monoclonal Antibody</b>
Calculated MW	<b>30382</b>

**AMPK beta 1 Rabbit mAb - Additional Information****Gene ID** 5564**Other Names**  
PRKAB1**Dilution**  
WB~~1/500-1/1000**Format**  
Liquid**AMPK beta 1 Rabbit mAb - Protein Information****Name** PRKAB1**Synonyms** AMPK**Function**

Non-catalytic 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 longer-term effects via phosphorylation of transcription regulators. Also acts as a regulator of cellular polarity by remodeling the actin cytoskeleton; probably by indirectly activating myosin. Beta non-catalytic subunit acts as a scaffold on which the AMPK complex assembles, via its C-terminus that bridges alpha (PRKAA1 or PRKAA2) and gamma subunits (PRKAG1, PRKAG2 or PRKAG3).

**AMPK beta 1 Rabbit mAb - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### AMPK beta 1 Rabbit mAb - Images

