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# Prkab2 antibody - N-terminal region
**Rabbit Polyclonal Antibody**
**Catalog # AI13973**

## Specification

### Prkab2 antibody - N-terminal region - Product Information

| | |
|---|---|
| Application | **WB** |
| Primary Accession | Q9OZH4 |
| Other Accession | NM_022627, NP_072149 |
| Reactivity | **Human, Mouse, Rat, Rabbit, Horse, Bovine, Guinea Pig, Dog** |
| Predicted | **Mouse, Rat, Pig, Chicken, Horse, Bovine** |
| Host | **Rabbit** |
| Clonality | **Polyclonal** |
| Calculated MW | **29kDa KDa** |

### Prkab2 antibody - N-terminal region - Additional Information

**Gene ID** 64562

| | |
|---|---|
| Alias Symbol | **MGC93432** |

**Other Names**
5'-AMP-activated protein kinase subunit beta-2, AMPK subunit beta-2, Prkab2

**Format**
Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**Reconstitution & Storage**
Add 50 ul of distilled water. Final anti-Prkab2 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

**Precautions**
Prkab2 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

### Prkab2 antibody - N-terminal region - Protein Information

**Name** Prkab2

**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-

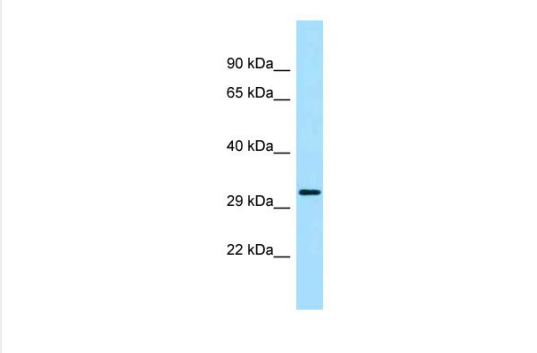
terminus that bridges alpha (PRKAA1 or PRKAA2) and gamma subunits (PRKAG1, PRKAG2 or PRKAG3) (By similarity).

**Prkab2 antibody - N-terminal region - Protocols**

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

**Prkab2 antibody - N-terminal region - Images**




WB Suggested Anti-Prkab2 Antibody Titration: 1.0 µg/ml
Positive Control: Rat Muscle

**Prkab2 antibody - N-terminal region - References**

Chen Z.,et al.FEBS Lett. 460:343-348(1999).
Loffler A.S.,et al.Autophagy 7:696-706(2011).