

## Rabbit anti-Human, mouse AMPK beta2 (PRKAB2) Polyclonal Antibody | anti-PRKAB2 antibody

AMPK beta2 (PRKAB2) Antibody (N-term)

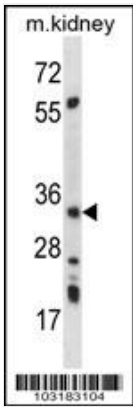
| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS        |
|-----------|--------|--------------|---------------------|
| AAA283929 | Rabbit | Human, mouse | ELISA, Western Blot |

### PRODUCT SYNONYMS

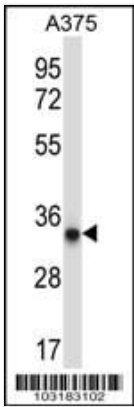
AMPK beta2 (PRKAB2); Polyclonal Antibody; AMPK beta2 (PRKAB2) Antibody (N-term); 5'-AMP-activated protein kinase subunit beta-2; AMPK subunit beta-2; PRKAB2; anti-PRKAB2 antibody

### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                                                                 |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                                                                          |
| Reactivity                                       | Human, mouse                                                                                                                                                                                    |
| Clonality                                        | Polyclonal                                                                                                                                                                                      |
| Isotype                                          | Rabbit Ig                                                                                                                                                                                       |
| Specificity                                      | This AMPK beta2 (PRKAB2) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 3-33 amino acids from the N-terminal region of human AMPK beta2 (PRKAB2). |
| Purity/Purification                              | Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                                      |
| Form/Format                                      | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.                    |
| Concentration                                    | Vial Concentration: 0.5 (varies by lot)                                                                                                                                                         |
| Sequence Positions                               | 3-33                                                                                                                                                                                            |
| Sequence Length                                  | 272                                                                                                                                                                                             |
| Applicable Applications for anti-PRKAB2 antibody | ELISA, WB (Western Blot)                                                                                                                                                                        |
| Antigen Type                                     | Synthetic Peptide                                                                                                                                                                               |
| Antigen Source                                   | HUMAN                                                                                                                                                                                           |
| Preparation and Storage                          | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                                          |



**WB (Western Blot)**  
PRKAB2 Antibody (A18) western blot analysis in mouse kidney tissue lysates (35ug/lane). This demonstrates the PRKAB2 antibody detected the PRKAB2 protein (arrow).



**WB (Western Blot)**  
PRKAB2 Antibody (A18) western blot analysis in A375 cell line lysates (35ug/lane). This demonstrates the PRKAB2 antibody detected the PRKAB2 protein (arrow).

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-PRKAB2 antibody | The protein encoded by this gene is a regulatory subunit of the AMP-activated protein kinase (AMPK). AMPK is a heterotrimer consisting of an alpha catalytic subunit, and non-catalytic beta and gamma subunits. AMPK is an important energy-sensing enzyme that monitors cellular energy status. In response to cellular metabolic stresses, AMPK is activated, and thus phosphorylates and inactivates acetyl-CoA carboxylase (ACC) and beta-hydroxy beta-methylglutaryl-CoA reductase (HMGCR), key enzymes involved in regulating de novo biosynthesis of fatty acid and cholesterol. This subunit may be a positive regulator of AMPK activity. The myristoylation and phosphorylation of this subunit have been shown to affect the enzyme activity and cellular localization of AMPK. This subunit may also serve as an adaptor molecule mediating the association of the AMPK complex. |
| Product Categories/Family for anti-PRKAB2 antibody   | Cancer; Cardiovascular; Metabolism; Signal transduction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| References                                           | Minokoshi, Y., et al., Nature 428(6982):569-574 (2004).<br>Prochazka, M., et al., Mol. Cell. Probes 16(6):421-427 (2002).<br>Park, S.H., et al., J. Appl. Physiol. 93(6):2081-2088 (2002).<br>Xu, X.R., et al., Proc. Natl. Acad. Sci. U.S.A. 98(26):15089-15094 (2001).<br>Thornton, C., et al., J. Biol. Chem. 273(20):12443-12450 (1998).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

NCBI AND UNIPROT INFORMATION

|                                  |                                                             |
|----------------------------------|-------------------------------------------------------------|
| NCBI GI #                        | 4885561                                                     |
| NCBI GeneID                      | 5565                                                        |
| NCBI Accession #                 | NP_005390.1                                                 |
| NCBI GenBank Nucleotide #        | NM_005399.4                                                 |
| UniProt Accession #              | O43741; Q5VXY0; A8K9V5; B4DH06                              |
| Molecular Weight                 | 30302                                                       |
| NCBI Official Full Name          | 5'-AMP-activated protein kinase subunit beta-2              |
| NCBI Official Synonym Full Names | protein kinase, AMP-activated, beta 2 non-catalytic subunit |
| NCBI Official Symbol             | PRKAB2                                                      |
| NCBI Protein Information         | 5'-AMP-activated protein kinase subunit beta-2              |
| UniProt Protein Name             | 5'-AMP-activated protein kinase subunit beta-2              |
| UniProt Gene Name                | PRKAB2                                                      |

|                            |                     |
|----------------------------|---------------------|
| UniProt Synonym Gene Names | AMPK subunit beta-2 |
| UniProt Entry Name         | AAKB2_HUMAN         |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/ampk-beta2-prkab2-antibody-western-blot-elisa/283929>