# AMPKa1/AMPKa2 Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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| **Product Name** | AMPKa1/AMPKa2, Polyclonal Antibody |
| **Full Product Name** | AMPKa1/AMPKa2 Polyclonal Conjugated Antibody |
| **Product Gene Name** | anti-AMPKa1/AMPKa2 antibody |
| **Product Synonym Gene Name** | AMPKa2 |
| **Product Synonym Names** | AMPKa1/AMPKa2 Conjugated Antibody |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Host** | Rabbit |
| **Species Reactivity** | Human, Mouse, Rat |
| **Form/Format** | 0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide |
| **Purity/Purification** | Affinity purification |
| **Preparation and Storage** | Store at 4 degree C for 6 months. |
| **Molecular Weight** | 64,009 Da |
| **Chromosome Location** | Chromosome: 5; NC_000005.9 (40759481..40798297, complement). Location: 5p12 |
| **OMIM** | 602739 |
| **3D Structure** | ModBase 3D Structure for Q13131 |
| **Immunogen** | Recombinant protein of human PRKAA1/PRKAA2 |
| **Conjugation** | Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750 |
| **Excitation Emission** | AF350: 346nm/442nm |
| **Applications Tested/Suitable for anti-AMPKa1/AMPKa2 antibody** | Most Applications |
| **Application Notes for anti-AMPKa1/AMPKa2 antibody** | Suggested Dilution:<br>AF350 conjugated: most applications: 1:50-1:250<br>AF405 conjugated: most applications: 1:50-1:250<br>AF488 conjugated: most applications: 1:50-1:250<br>AF555 conjugated: most applications: 1:50-1:250<br>AF594 conjugated: most applications: 1:50-1:250<br>AF647 conjugated: most applications: 1:50-1:250<br>AF680 conjugated: most applications: 1:50-1:250<br>AF750 conjugated: most applications: 1:50-1:250<br>Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1:50-1:1000 |
| **Related Product Information for anti-AMPKa1/AMPKa2 antibody** | MBS9439655 is an antibody targeting AMPKa1/AMPKa2. Also known as AMPKa1/AMPKa2 Polyclonal Conjugated Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit. |
| **Other Notes** | Small volumes of anti-AMPKa1/AMPKa2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for AMPKa1/AMPKa2. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 27469582 |
| **NCBI GeneID** | 5562 |
| **NCBI Accession #** | AAH37303.1 |
| **UniProt Primary Accession #** | Q13131 |
| **UniProt Secondary Accession #** | P54646 |
| **UniProt Related Accession #** | Q13131 |
| **NCBI Official Full Name** | PRKAA1 protein |
| **NCBI Official Synonym Full Names** | protein kinase, AMP-activated, alpha 1 catalytic subunit |
| **NCBI Official Symbol** | PRKAA1 |
| **NCBI Official Synonym Symbols** | AMPK; AMPKa1 |
| **UniProt Protein Name** | 5'-AMP-activated protein kinase catalytic subunit alpha-1 |
| **UniProt Synonym Protein Names** | Acetyl-CoA carboxylase kinase (EC:2.7.11.27); ACACA kinase; Hydroxymethylglutaryl-CoA reductase kinase (EC:2.7.11.31); HMGCR kinase; Tau-protein kinase PRKAA1 (EC:2.7.11.26) |
| **UniProt Gene Name** | PRKAA1 |
| **UniProt Synonym Gene Names** | AMPK1; AMPK subunit alpha-1; ACACA kinase; HMGCR kinase |
| **UniProt Entry Name** | AAPK1_HUMAN |
| **NCBI Protein Information** | 5'-AMP-activated protein kinase catalytic subunit alpha-1; ACACA kinase; AMPK alpha 1; HMGCR kinase; AMPK subunit alpha-1; tau-protein kinase PRKAA1; acetyl-CoA carboxylase kinase; AMP -activate kinase alpha 1 subunit; hydroxymethylglutaryl-CoA reductase |
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