# Human Protein Kinase, AMP Activated Gamma 2 (PRKAg2) ELISA Kit | PRKAg2 elisa kit

Human Protein Kinase, AMP Activated Gamma 2 (PRKAg2) ELISA Kit

| CATALOG # | REACTIVITY |
|---|---|
| **AAA189803** | **Human** |

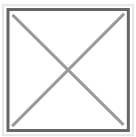
## PRODUCT SYNONYMS

Protein Kinase; AMP Activated Gamma 2 (PRKAg2); Human Protein Kinase; AMP Activated Gamma 2 (PRKAg2) ELISA Kit; AAKG; AAKG2; CMH6; H91620p; WPWS; 5'-AMP-activated protein kinase subunit gamma-2; PRKAg2/Protein Kinase; AMP Activated Gamma 2; PRKAg2 elisa kit

## PRODUCT SPECIFICATIONS

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| **Reactivity** | Human |
| **Specificity** | This assay has high sensitivity and excellent specificity for detection of PRKAg2. No significant cross-reactivity or interference between PRKAg2 and analogues was observed. |
| **Assay Type** | Quantitative Sandwich |
| **Samples** | Human tissue homogenates, cell lysates, cell culture supernates and other biological fluids |
| **Detection Range** | 0.156-10ng/mL |
| **Sensitivity** | < 0.057ng/mL |
| **Intra-assay Precision** | Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PRKAg2 were tested 20 times on one plate, respectively. Intra-Assay: CV<10% |
| **Inter-assay Precision** | Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level PRKAg2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12% |
| **Preparation and Storage** | Store at 4 degree C for 1 month/-20 degree C for long-term (within shelf life)<br>Shelf Life: 8 months<br>The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end. |

## IMAGES



**Standard Curve (Sample)**

## ADDITIONAL INFORMATION

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| **Related Product Information for PRKAg2 elisa kit** | Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to PRKAg2. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to PRKAg2. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain PRKAg2, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of PRKAg2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.<br><br>Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PRKAg2 in human tissue homogenates, cell lysates, cell culture supernates and other biological fluids. |
| **Product Categories/Family for PRKAg2 elisa kit** | Enzyme & Kinase |

## NCBI AND UNIPROT INFORMATION

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|---|---|
| **NCBI GI #** | 100913192 |
| **NCBI GeneID** | 51422 |
| **NCBI Accession #** | NP_001035723.1 |
| **NCBI GenBank Nucleotide #** | NM_001040633.1 |
| **UniProt Accession #** | Q9UGJ0; Q53Y07; Q6NUI0; Q75MP4; Q9NUZ9; Q9UDN8; Q9ULX8 |
| **Molecular Weight** | 63,066 Da |
| **NCBI Official Full Name** | 5'-AMP-activated protein kinase subunit gamma-2 isoform c |
| **NCBI Official Synonym Full Names** | protein kinase, AMP-activated, gamma 2 non-catalytic subunit |
| **NCBI Official Symbol** | PRKAG2 |
| **NCBI Official Synonym Symbols** | AAKG; CMH6; WPWS; AAKG2; H91620p |
| **NCBI Protein Information** | 5'-AMP-activated protein kinase subunit gamma-2; AMPK subunit gamma-2 |
| **UniProt Protein Name** | 5'-AMP-activated protein kinase subunit gamma-2 |
| **UniProt Gene Name** | **PRKAG2** |
| **UniProt Synonym Gene Names** | AMPK gamma2 |
| **UniProt Entry Name** | AAKG2_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://stage.aaabiotech.com/human-elisa-kits/protein-kinase-amp-activated-gamma-2-prkag2/189803