

## Rabbit Phkg2 Polyclonal Antibody | anti-Phkg2 antibody

Mouse Phkg2 Antibody (N-term)

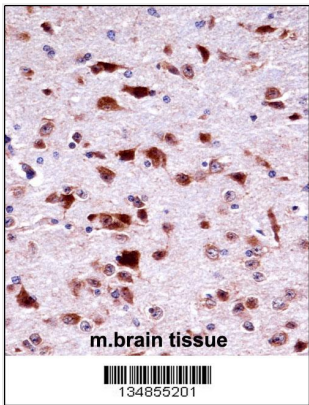
| CATALOG # | HOST   | REACTIVITY                               | APPLICATIONS                              |
|-----------|--------|------------------------------------------|-------------------------------------------|
| AAA287553 | Rabbit | Human, mouse (Predicted Reactivity: Rat) | Immunohistochemistry, ELISA, Western Blot |

### PRODUCT SYNONYMS

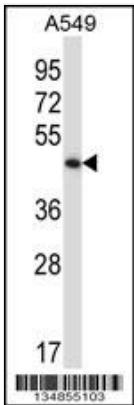
Phkg2; Polyclonal Antibody; Mouse Phkg2 Antibody (N-term); Phosphorylase b kinase gamma catalytic chain; liver/testis isoform; PHK-gamma-LT; PHK-gamma-T; Phosphorylase kinase subunit gamma-2; anti-Phkg2 antibody

### PRODUCT SPECIFICATIONS

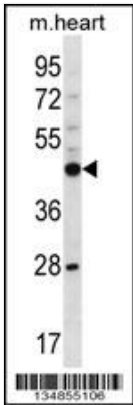
|                                                 |                                                                                                                                                                              |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                       |
| Reactivity                                      | Human, mouse (Predicted Reactivity: Rat)                                                                                                                                     |
| Clonality                                       | Polyclonal                                                                                                                                                                   |
| Isotype                                         | Rabbit Ig                                                                                                                                                                    |
| Specificity                                     | This Mouse Phkg2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 2-29 amino acids from the N-terminal region of mouse Phkg2.    |
| 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                              | 2-29                                                                                                                                                                         |
| Sequence Length                                 | 406                                                                                                                                                                          |
| Applicable Applications for anti-Phkg2 antibody | IHC (Immunohistochemistry), ELISA, WB (Western Blot)                                                                                                                         |
| Antigen Type                                    | Synthetic Peptide                                                                                                                                                            |
| Antigen Source                                  | MOUSE                                                                                                                                                                        |
| 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.                       |



**IHC (Immunohistochemisry)**  
Mouse Phkg2 Antibody (N-term) (AAA287553)immunohistochemistry analysis in formalin fixed and paraffin embedded mouse brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of Mouse Phkg2 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



**WB (Western Blot)**  
Mouse Phkg2 Antibody (N-term) western blot analysis in A549 cell line lysates (35ug/lane).This demonstrates the Phkg2 antibody detected the Phkg2 protein (arrow).



**WB (Western Blot)**  
Mouse Phkg2 Antibody (N-term) western blot analysis in mouse heart tissue lysates (35ug/lane).This demonstrates the Phkg2 antibody detected the Phkg2 protein (arrow).

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                               |
|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-Phkg2 antibody | Phosphorylase b kinase catalyzes the phosphorylation of serine in certain substrates, including troponin I. This isozyme may regulate glycogeneolysis in the testis.                                                                                                                                          |
| Product Categories/Family for anti-Phkg2 antibody   | Cancer; Metabolism; Signal Transduction                                                                                                                                                                                                                                                                       |
| References                                          | Katayama, S., et al. Science 309(5740):1564-1566(2005)<br>Carninci, P., et al. Science 309(5740):1559-1563(2005)<br>Strausberg, R.L., et al. Proc. Natl. Acad. Sci. U.S.A. 99(26):16899-16903(2002)<br>Okazaki, Y., et al. Nature 420(6915):563-573(2002)<br>Kawai, J., et al. Nature 409(6821):685-690(2001) |

NCBI AND UNIPROT INFORMATION

|                           |                |
|---------------------------|----------------|
| NCBI GI #                 | 188035881      |
| NCBI GeneID               | 68961          |
| NCBI Accession #          | NP_081164.2    |
| NCBI GenBank Nucleotide # | NM_026888.3    |
| UniProt Accession #       | Q9DB30; A6H632 |

|                                  |                                                                    |
|----------------------------------|--------------------------------------------------------------------|
| Molecular Weight                 | 46572                                                              |
| NCBI Official Full Name          | phosphorylase b kinase gamma catalytic chain, liver/testis isoform |
| NCBI Official Synonym Full Names | phosphorylase kinase, gamma 2 (testis)                             |
| NCBI Official Symbol             | Phkg2                                                              |
| NCBI Official Synonym Symbols    | 1500017I02Rik                                                      |
| NCBI Protein Information         | phosphorylase b kinase gamma catalytic chain, liver/testis isoform |
| UniProt Protein Name             | Phosphorylase b kinase gamma catalytic chain, liver/testis isoform |
| UniProt Gene Name                | <b>Phkg2</b>                                                       |
| UniProt Synonym Gene Names       | PHK-gamma-LT; PHK-gamma-T                                          |
| UniProt Entry Name               | PHKG2_MOUSE                                                        |

**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/polyclonal/phkg2-antibody-immunohistochemistry-western-blot-elisa/287553>