

## Recombinant Human PHKA2 cell lysate

**Cat. No.** PHKA2-1346HCL    **Lot. No.** (See product label)

### SPECIFICATION

#### Product Overview

|                |                                                                                                           |
|----------------|-----------------------------------------------------------------------------------------------------------|
| Species        | Human                                                                                                     |
| Size           | 100 ul                                                                                                    |
| Storage Buffer | 1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue) |
| Applications   | Western Blot;                                                                                             |

### GENE INFORMATION

|                 |                                                                                                                                                                                                                                                                                                               |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Name       | PHKA2 phosphorylase kinase, alpha 2 (liver) [ Homo sapiens ]                                                                                                                                                                                                                                                  |
| Official Symbol | PHKA2                                                                                                                                                                                                                                                                                                         |
| Synonyms        | PHKA2; phosphorylase kinase, alpha 2 (liver); PHK, PYK; phosphorylase b kinase regulatory subunit alpha, liver isoform; phosphorylase kinase alpha-subunit; phosphorylase kinase alpha L subunit; phosphorylase b kinase regulatory subunit alpha liver isoform; PHK; PYK; XLG; PYKL; XLG2; GSD9A; MGC133071; |
| Gene ID         | 5256                                                                                                                                                                                                                                                                                                          |
| mRNA Refseq     | NM_000292                                                                                                                                                                                                                                                                                                     |

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|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Protein Refseq</b>      | NP_000283                                                                                                                                                                                                                                                                                                                                                                            |
| <b>MIM</b>                 | 300798                                                                                                                                                                                                                                                                                                                                                                               |
| <b>UniProt ID</b>          | P46019                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Chromosome Location</b> | Xp22.2-p22.1                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Pathway</b>             | Calcium signaling pathway, organism-specific biosystem; Calcium signaling pathway, conserved biosystem; Glucose metabolism, organism-specific biosystem; Glycogen Metabolism, organism-specific biosystem; Glycogen breakdown (glycogenolysis), organism-specific biosystem; Insulin signaling pathway, organism-specific biosystem; Insulin signaling pathway, conserved biosystem; |
| <b>Function</b>            | calmodulin binding; catalytic activity; hydrolase activity, hydrolyzing O-glycosyl compounds; phosphorylase kinase activity;                                                                                                                                                                                                                                                         |