

## Product datasheet for **TA396740S**

### PKM Goat Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	<b>WB:</b> 1:200 - 1:1,000
Reactivity:	Rabbit
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Pyruvate Kinase [Rabbit Muscle]
Specificity:	Anti-Pyruvate Kinase Antibody is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Biotin, anti-Goat Serum as well as purified and partially purified Pyruvate Kinase [Rabbit Muscle]. Anti-Pyruvate Kinase has been reported to react with all forms of pyruvate kinase (pan M-PK). Cross reactivity against Pyruvate Kinase from other sources may occur but have not been specifically determined.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Concentration:	1.0 mg/mL - lot specific
Conjugation:	Biotin
Storage:	Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.
Stability:	Expiration date is one (1) year from date of receipt.
Database Link:	<a href="#">Entrez Gene 100008676 Rabbit P11974</a>



[View online »](#)

**Background:**

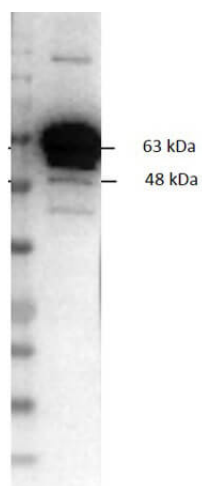
Pyruvate Kinase is an enzyme that is key in the glycolytic process. Pyruvate Kinase's specific activity is to catalyze the transfer of a phosphate group from phosphoenolpyruvate to ADP, yielding one molecule of pyruvate and one molecule of ATP. A isoenzyme of Pyruvate Kinase, known as the M2, is a key area of study in tumorigenesis, as the M2 isoenzyme seems to elevate aerobic glycolysis in tumor cells, leading to tumor proliferation. Conflicting evidence as to the importance of this isoenzyme in tumor growth establishes this as a large area of exploration and study. Anti-Pyruvate Kinase Antibody is ideal for investigators in Cancer, Cell Biology, and Signal Transduction research.

**Synonyms:**

goat anti-Pyruvate Kinase Antibody, biotin Conjugated goat anti-Pyruvate Kinase Antibody, Pyruvate kinase isozymes M1/M2 antibody, Pyruvate kinase muscle isozyme antibody, Pyruvate kinase 2/3 antibody, Cytosolic thyroid hormone-binding protein antibody, PKM2

**Note:**

Anti-Pyruvate Kinase Biotin Antibody has been tested by western blot and is suitable to be assayed against 1.0 ug of Pyruvate Kinase in a standard capture ELISA using Peroxidase Conjugated Streptavidin #S000-03 and ABTS (2,2'-azino-bis-[3-ethylbenthiiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:3,000 to 1:15,000 of the reconstitution concentration is suggested for Anti-Pyruvate Kinase Antibody.

**Product images:**

Western Blot of Goat Anti-Pyruvate Kinase Biotin Conjugate. Lane 1: Opal Prestain Molecular Weight Marker. Lane 2: 50ng of Pyruvate Kinase. Primary Antibody: Goat Anti-Pyruvate Kinase Biotin at 1 ug/mL o/n @ 4C. Secondary Antibody: Streptavidin-HRP: S000-03 at 1:40,000 for 30 min at RT. Blocking: MB-070 for 30 min at RT.