

# Phospho-PKM2-Y105 Rabbit pAb

**Catalog No.: AP0924**

## Basic Information

**Observed MW**

58kDa

**Calculated MW**

58kDa

**Category**

Primary antibody

**Applications**

WB,IF/ICC,ELISA

**Cross-Reactivity**

Human, Mouse, Rat

## Background

This gene encodes a protein involved in glycolysis. The encoded protein is a pyruvate kinase that catalyzes the transfer of a phosphoryl group from phosphoenolpyruvate to ADP, generating ATP and pyruvate. This protein has been shown to interact with thyroid hormone and may mediate cellular metabolic effects induced by thyroid hormones. This protein has been found to bind Opa protein, a bacterial outer membrane protein involved in gonococcal adherence to and invasion of human cells, suggesting a role of this protein in bacterial pathogenesis. Several alternatively spliced transcript variants encoding a few distinct isoforms have been reported.

## Recommended Dilutions

**WB** 1:500 - 1:2000**IF/ICC** 1:50 - 1:200**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

**Gene ID**

5315

**Swiss Prot**

P14618

**Immunogen**

A synthetic phosphorylated peptide around Y105 of human PKM (NP\_002645.3).

**Synonyms**

PK3; TCB; p58; OIP3; PKM2; CTHBP; THBP1; HEL-S-30; Phospho-PKM2-Y105

## Contact

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## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

Affinity purification

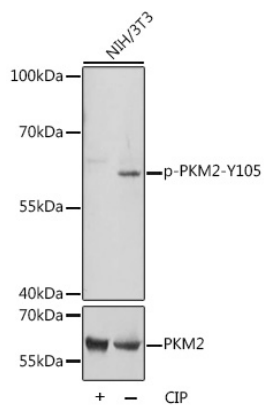
**Storage**

Store at -20°C. Avoid freeze / thaw cycles.

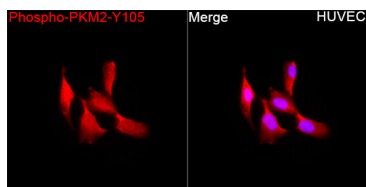
Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.

## Validation Data

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Western blot analysis of lysates from NIH/3T3 cells, using Phospho-PKM2-Y105 Rabbit pAb (A13905). NIH/3T3 cells were treated by CIP(20uL/400ul) at 37°C for 1 hour.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% BSA.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 1s.



Immunofluorescence analysis of HUVEC cells using Phospho-PKM2-Y105 Rabbit pAb (AP0924) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.