

PKM2 Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID NP_002645.3

Catalog No. A303-659A

GeneID 5315

Lot No. A303-659A-1



APPLICATIONS	WB, IP, IHC
SPECIES REACTIVITY	Human
PRESUMED REACTIVITY	Based on 100% sequence identity, this antibody is predicted to react with Orangutan
AMOUNT	100 µl
CONCENTRATION	1000 µg/ml
STORAGE/SHELF LIFE	2 – 8° C / 1 year from date of receipt
PHYSICAL STATE	Liquid
BUFFER	Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
ISOTYPE	IgG
ORIGIN	USA
PRODUCTION PROCEDURES	Antibody was affinity purified using an epitope specific to PKM2 immobilized on solid support.

The epitope recognized by A303-659A maps to a region between residue 1 and 50 of human Pyruvate Kinase Isozymes M1/M2 using the numbering given in entry NP_002645.3 (GeneID 5315).

Antibody concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.

APPLICATIONS Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.

Western Blot 1:2,000 – 1:10,000

Immunoprecipitation 2 – 10 µg/mg lysate

Immunohistochemistry 1:500 – 1:2,000. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.

APPLICATION NOTES Western blot of immunoprecipitates performed using Normal Pig Serum (Cat. No. S100-020), Goat anti-Rabbit Light Chain HRP Conjugate (Cat. No. A120-113P) and 4-20% SDS-PAGE (link to IP-western blot protocol in Additional Info section below).

Western blot of lysates performed using standard western blot reagents and 4-20% SDS-PAGE.

IHC HUMAN CONTROLS Linitis Plastica Stomach Cancer, Osteosarcoma

ADDITIONAL INFO <https://www.bethyl.com/product/A303-659A>

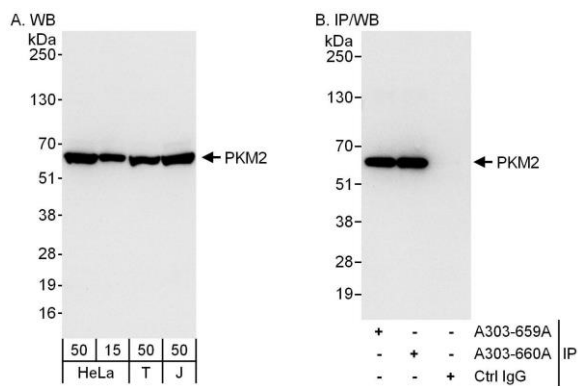
Use the link above to view SDS, a current list of citations, and other product specific information.

IP-western blot protocol: https://www.bethyl.com/content/protocol_IP_WB

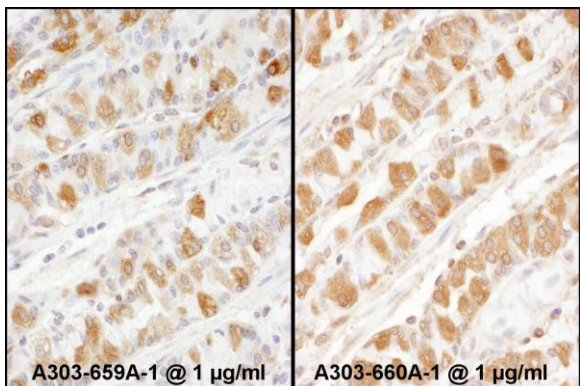
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.

Eric McIntush, PhD | Chief Scientific Officer

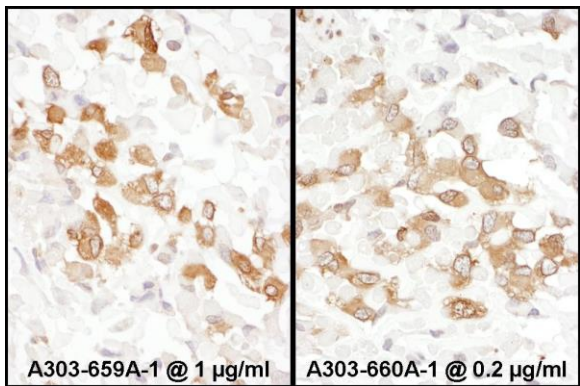
Date: June 21, 2019



Detection of human PKM2 by western blot and immunoprecipitation. *Samples:* Whole cell lysate from HeLa (15 and 50 µg for WB; 1 mg for IP, 20% of IP loaded), HEK293T (T; 50 µg) and Jurkat (J; 50 µg) cells. *Antibodies:* Affinity purified rabbit anti-PKM2 antibody A303-659A used for WB at 0.1 µg/ml (A) and 0.4 µg/ml (B) and used for IP at 6 µg/mg lysate. PKM2 was also immunoprecipitated by rabbit anti-PKM2 antibody A303-660A, which recognizes a downstream epitope. *Detection:* Chemiluminescence with exposure times of 3 seconds (A and B).



Detection of human PKM2 by immunohistochemistry. *Samples:* FFPE sections of human stomach. *Antibody:* Affinity purified rabbit anti-PKM2 Cat. No. A303-659A Lot1 used at a dilution of 1:1,000 (1 µg/ml) (left) and Cat. No. A303-660A Lot1 used at a dilution of 1:1,000 (1 µg/ml) (right). *Detection:* DAB



Detection of human PKM2 by immunohistochemistry. *Samples:* FFPE sections of human osteosarcoma. *Antibody:* Affinity purified rabbit anti-PKM2 Cat. No. A303-659A Lot1 used at a dilution of 1:1,000 (1 µg/ml) (left) and Cat. No. A303-660A Lot1 used at a dilution of 1:5,000 (0.2 µg/ml) (right). *Detection:* DAB