PKM2 Antibody

Rabbit Polyclonal

Antigen Affinity Purified Protein ID NP_002645.3

Catalog No. A303-660A GeneID 5315

Lot No. A303-660A-1

APPLICATIONS WB, IP, IHC

SPECIES REACTIVITY Human. Mouse

PRESUMED REACTIVITY Based on 100% sequence identity, this antibody is predicted to react with Rat, X. laevis, Chicken,

Rabbit, Cat and 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 A303-660A maps to a region between residue 481 and 531 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 1:1,000 - 1:5,000. 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. \$100–020),

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/A303-660A

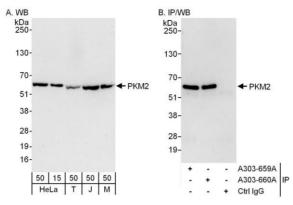
Use the link above to view SDS, a current list of citations, and other product specific information.

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

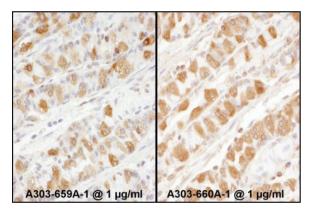
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc. Eric McIntush, PhD | Chief Scientific Officer Date: June 21, 2019



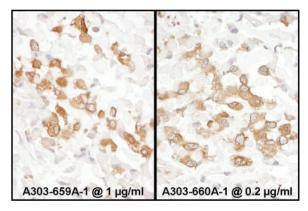
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Detection of human and mouse PKM2 by western blot (h and m) and immunoprecipitation (h). Samples: Whole cell lysate from HeLa (15 and 50 μ g for WB; 1 mg for IP, 20% of IP loaded), HEK293T (T; 50 μ g), Jurkat (J; 50 μ g) and mouse NIH 3T3 (M; 50 μ g) cells. Antibodies: Affinity purified rabbit anti–PKM2 antibody A303–660A used for WB at 0.1 μ g/ml (A) and 0.4 μ g/ml (B) and used for IP at 6 μ g/mg lysate. PKM2 was also immunoprecipitated by rabbit anti–PKM2 antibody A303–659A, which recognizes an upstream epitope. Detection: Chemiluminescence with exposure times of 10 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 (1µg/ml) (left) and Cat. No. A303-660A Lot1 used at a dilution of 1:1,000 (1µg/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 (1µg/ml) (left) and Cat. No. A303-660A Lot1 used at a dilution of 1:5,000 (0.2 µg/ml) (right). *Detection:* DAB