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Datasheet for ABIN724925
anti-PKM2 antibody (AA 51-150)

2 Images

Overview

Quantity:	100 µL
Target:	PKM2
Binding Specificity:	AA 51-150
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Clonality:	Polyclonal
Conjugate:	This PKM2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human M2-PK
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Cow,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	PKM2
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Target Details

Alternative Name: [PKM2 \(PKM2 Products\)](#)

Background: Synonyms: PK3, TCB, OIP3, PKM2, CTHBP, THBP1, HEL-S-30, Pyruvate kinase PKM, Cytosolic thyroid hormone-binding protein, Opa-interacting protein 3, OIP-3, Pyruvate kinase 2/3, Pyruvate kinase muscle isozyme, Thyroid hormone-binding protein 1, Tumor M2-PK, p58, PKM, PK2
Background: Glycolytic enzyme that catalyzes the transfer of a phosphoryl group from phosphoenolpyruvate (PEP) to ADP, generating ATP. Stimulates POU5F1-mediated transcriptional activation. Plays a general role in caspase independent cell death of tumor cells. The ratio between the highly active tetrameric form and nearly inactive dimeric form determines whether glucose carbons are channeled to biosynthetic processes or used for glycolytic ATP production. The transition between the 2 forms contributes to the control of glycolysis and is important for tumor cell proliferation and survival.

Gene ID: 5315

UniProt: [P14618](#)

Pathways: [Warburg Effect](#)

Application Details

Application Notes: WB 1:300-5000
ELISA 1:500-1000
FCM 1:20-100
IHC-P 1:200-400
IHC-F 1:100-500
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200
ICC 1:100-500

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Handling

Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Images

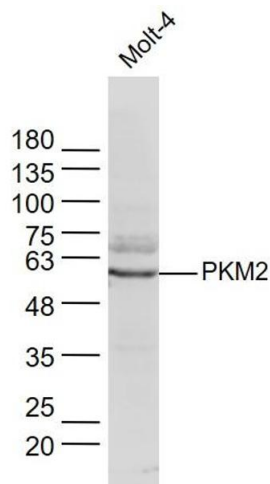
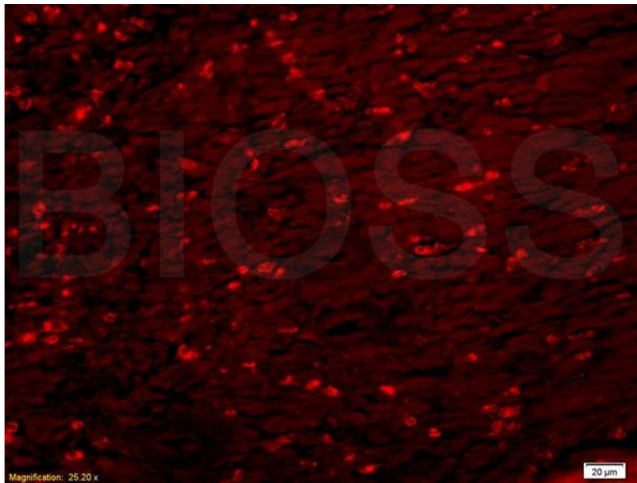


Image 1. Molt-4 lysates probed with PKM2 Polyclonal Antibody, Unconjugated at 1:300 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at 1:10000 for 60 min at 37°C.



Immunofluorescence

Image 2. Formalin-fixed and paraffin embedded rat colitis tissue abeled with Anti-M2-PK Polyclonal Antibody, Unconjugated (ABIN724925) 1:200 followed by conjugation to the secondary antibody.