



Datasheet for ABIN744773  
**anti-PKM2 antibody (pTyr105)**



[Go to Product page](#)

5 Images

Overview

Quantity:	100 µL
Target:	PKM2
Binding Specificity:	pTyr105
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PKM2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human PKM2 around the phosphorylation site of Tyr105
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Pig,Horse,Rabbit,Guinea Pig
Purification:	Purified by Protein A.

Target Details

Target:	PKM2
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## Target Details

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

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Background: Synonyms: Pyruvate kinase PKM, Cytosolic thyroid hormone-binding protein, CTHBP, Opa-interacting protein 3, OIP-3, Pyruvate kinase 2/3, Pyruvate kinase muscle isozyme, Thyroid hormone-binding protein 1, THBP1, Tumor M2-PK, p58, PKM, OIP3, PK2, PK3, PKM2  
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.

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Gene ID: 5315

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UniProt: [P14618](#)

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Pathways: [Warburg Effect](#)

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## Application Details

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Application Notes: WB 1:300-5000  
ELISA 1:500-1000  
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

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Concentration: 1 µg/µL

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

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Preservative: ProClin

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Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

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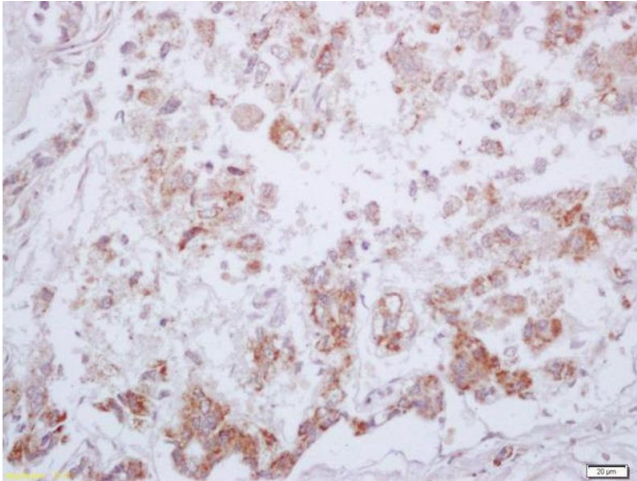
## Handling

Storage: 4 °C, -20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

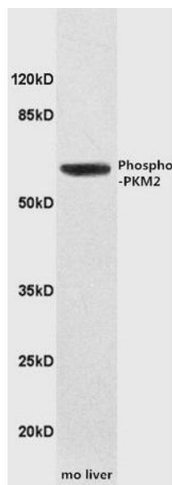
Expiry Date: 12 months

## Images



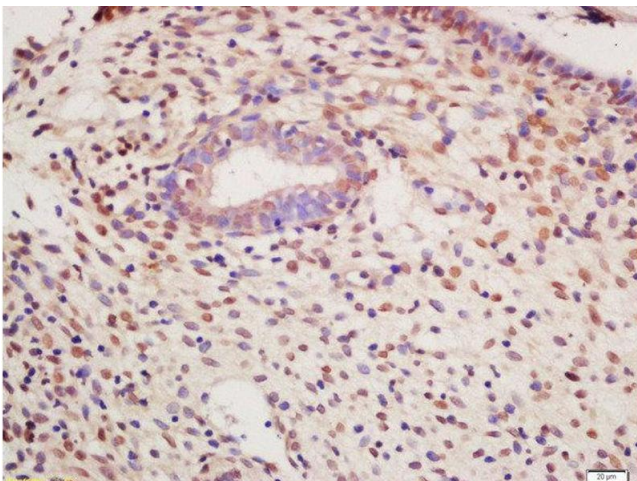
### Immunohistochemistry

**Image 1.** Formalin-fixed and paraffin embedded human liver carcinoma labeled with Anti-Phospho-PKM2 (Tyr105) Polyclonal Antibody, Unconjugated (ABIN744773) at 1:200 followed by conjugation to the secondary antibody and DAB staining



### Western Blotting

**Image 2.** Protein: mouse liver lysates, 30ug; Primary: Anti-Phospho-PKM2(Tyr105) at 1: 5000; ECL excited the fluorescence; Predicted band size : 58kD Observed band size : 58kD



### Immunohistochemistry (Paraffin-embedded Sections)

**Image 3.** Formalin-fixed and paraffin embedded human endometrium tissue labeled with bs-3334R, Unconjugated at 1:200 followed by conjugation to the secondary antibody and DAB staining

## Images

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Please check the [product details page](#) for more images. Overall 5 images are available for ABIN744773.