

# Product Datasheet

## PKM2 Antibody (7B2) - BSA Free NBP3-15230

Unit Size: 100 ul

Store at -20 to -70C. Avoid freeze-thaw cycles.

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**NBP3-15230**

PKM2 Antibody (7B2) - BSA Free

**Product Information**

<b>Unit Size</b>	100 ul
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at -20 to -70C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	7B2
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity purified
<b>Buffer</b>	PBS, pH 7.4, 150mM NaCl, and 50% glycerol

**Product Description**

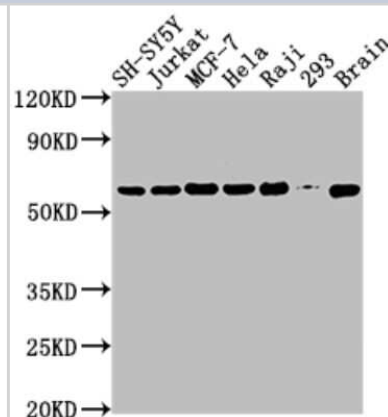
<b>Host</b>	Rabbit
<b>Gene ID</b>	5315
<b>Gene Symbol</b>	PKM
<b>Species</b>	Human, Mouse
<b>Immunogen</b>	A synthesized peptide derived from human PKM2. UniProt ID (P14618).

**Product Application Details**

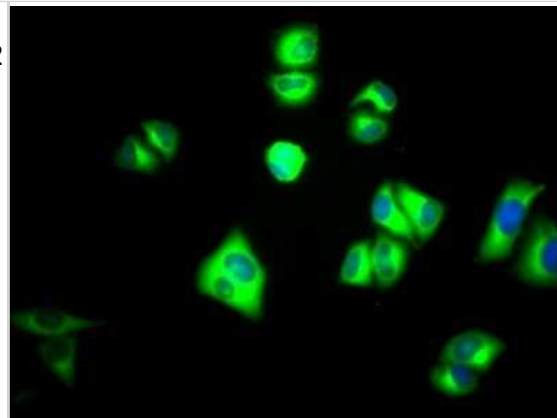
<b>Applications</b>	Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation
<b>Recommended Dilutions</b>	Western Blot 1:500-1:5000, Flow Cytometry, ELISA, Immunohistochemistry 1:50-1:200, Immunocytochemistry/ Immunofluorescence 1:20-1:200, Immunoprecipitation

**Images**

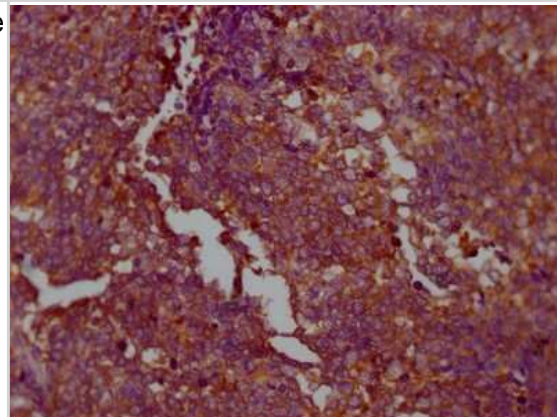
Western Blot: PKM2 Antibody (7B2) [NBP3-15230] - Positive WB detected in: SH-SY5Y whole cell lysate, Jurkat whole cell lysate, MCF-7 whole cell lysate, Hela whole cell lysate, Raji whole cell lysate, 293 whole cell lysate, Mouse brain tissue. All lanes: PKM2 antibody at 1:2000. Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution. Predicted band size: 58, 59, 57 KDa. Observed band size: 58 KDa.



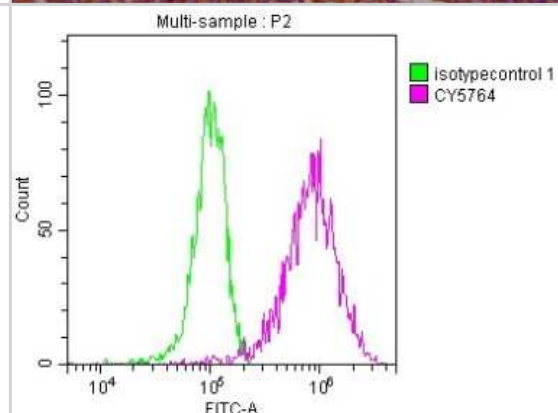
**Immunocytochemistry/Immunofluorescence: PKM2 Antibody (7B2) [NBP3-15230]** - Immunofluorescence staining of Hela Cells with at PKM2 antibody 1:50, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeated by 0.2% TritonX-100, and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4C. Nuclear DNA was labeled in blue with DAPI. The secondary antibody was FITC-conjugated Goat Anti-Rabbit IgG (H+L).



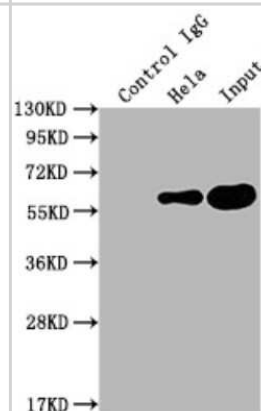
**Immunohistochemistry: PKM2 Antibody (7B2) [NBP3-15230]** - IHC image of PKM2 antibody diluted at 1:100 and staining in paraffin-embedded human lung cancer. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30 minutes at RT. Then primary antibody (1% BSA) was incubated at 4C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.



**Flow Cytometry: PKM2 Antibody (7B2) [NBP3-15230]** - Overlay histogram showing HepG2 cells stained with PKM2 antibody (red line) at 1:50. The cells were fixed with 70% Ethylalcohol (18h) and then incubated in 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (1ug/1\*10<sup>6</sup>cells) for 1 h at 4C. The secondary antibody used was FITC-conjugated goat anti-rabbit IgG (H+L) at 1/200 dilution for 30min at 4C. Control antibody (green line) was Rabbit IgG (1ug/1\*10<sup>6</sup>cells) used under the same conditions. Acquisition of >10,000 events was performed.



**Immunoprecipitation: PKM2 Antibody (7B2) [NBP3-15230]** - Immunoprecipitating PKM2 in Hela whole cell lysate. Lane 1: Rabbit control IgG instead of PKM2 antibody in Hela whole cell lysate. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000). Lane 2: PKM2 antibody (2ug)+ Hela whole cell lysate (500ug). Lane 3: Hela whole cell lysate (10ug).





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### **Products Related to NBP3-15230**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-48308PEP	PKM2 Antibody Blocking Peptide

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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