

Mouse PKM Monoclonal Antibody | anti-PKM antibody

PKM Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA27041	Mouse	Human, Rat, Mouse, Rabbit	ELISA, Western Blot, Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay, Immunoprecipitation

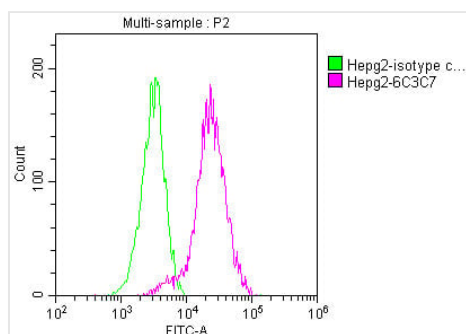
PRODUCT SYNONYMS

PKM; Monoclonal Antibody; PKM Monoclonal Antibody; CTHBP antibody; Cytosolic thyroid hormone-binding protein antibody; KPYM_HUMAN antibody; OIP-3 antibody; Opa-interacting protein 3 antibody; p58 antibody; pkm antibody; PKM1 antibody; PKM2 antibody; Pyruvate kinase 2/3 antibody; Pyruvate kinase muscle isozyme antibody; Pyruvate kinase PKM antibody; THBP1 antibody; Thyroid hormone-binding protein 1 antibody; Tumor M2-PK antibody; anti-PKM antibody

PRODUCT SPECIFICATIONS

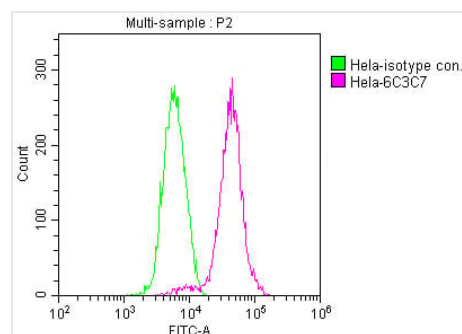
Host	Mouse
Reactivity	Human, Rat, Mouse, Rabbit
Clonality	Monoclonal
Isotype	IgG1
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Positions	2-531
Applicable Applications for anti-PKM antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry), IP (Immunoprecipitation)
Application Notes	Recommended dilution: WB: 1:4000-1:256000, IHC: 1:200-1:500, IF: 1:150-1:300, FC: 1:50-1:200, IP: 1ul-4ul
Immunogen	Recombinant Human Pyruvate kinase PKM protein (2-531AA)
Storage Buffer	Preservative: 0.03% Proclin 300. Constituents: 50% Glycerol, 0.01M PBS, PH 7.4

IMAGES



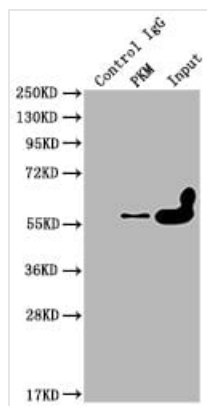
FCM (Flow Cytometry)

Overlay histogram showing HepG2 cells stained with AAA27041 (red line) at 1:100. The cells were incubated in 1x PBS /10% normal goat serum to block non-specific protein-protein interactions followed by primary antibody for 1 h at 4 degree C. The secondary antibody used was FITC goat anti-mouse IgG(H+L) at 1/200 dilution for 1 h at 4 degree C. Isotype control antibody (green line) was used under the same conditions. Acquisition of >10,000 events was performed.



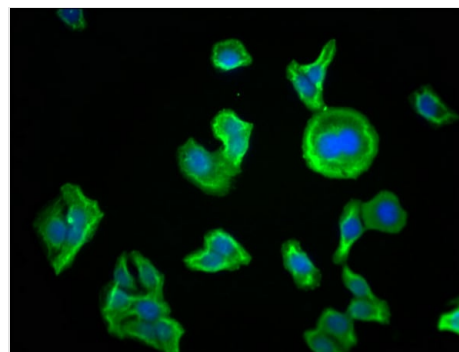
FCM (Flow Cytometry)

Overlay histogram showing HeLa cells stained with AAA27041 (red line) at 1:100. The cells were incubated in 1x PBS /10% normal goat serum to block non-specific protein-protein interactions followed by primary antibody for 1 h at 4 degree C. The secondary antibody used was FITC goat anti-mouse IgG(H+L) at 1/200 dilution for 1 h at 4 degree C. Isotype control antibody (green line) was used under the same conditions. Acquisition of >10,000 events was performed.



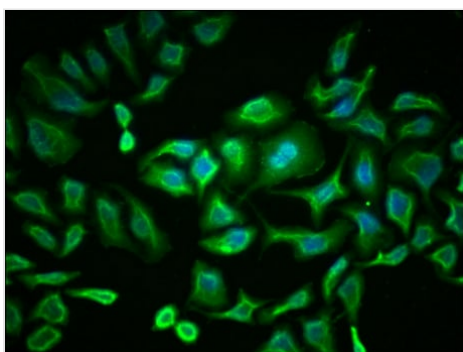
IP (Immunoprecipitation)

Immunoprecipitating PKM in Hela whole cell lysate. Lane 1: Mouse control IgG instead of AAA27041 in Hela whole cell lysate. Lane 2: AAA27041 (1ul) + Hela whole cell lysate (500ug). Lane 3: Hela whole cell lysate (10ug). For western blotting, the blot was detected with AAA27041 at 1:2000, and a HRP-conjugated Protein G antibody was used as the secondary antibody at 1:2000.



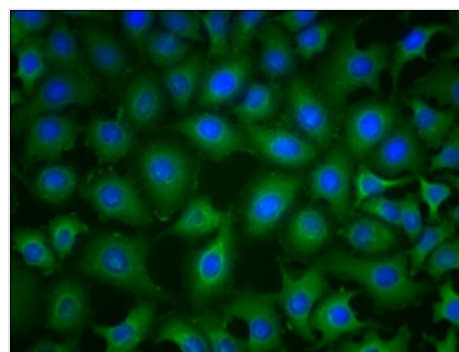
IF (Immunofluorescence)

Immunofluorescence staining of HepG2 cells with AAA27041 at 1:230, counter-stained with DAPI. The cells were blocked in 10% normal Goat Serum and then incubated with the primary antibody overnight at 4 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



IF (Immunofluorescence)

Immunofluorescence staining of Hela cells with AAA27041 at 1:230, counter-stained with DAPI. The cells were blocked in 10% normal Goat Serum and then incubated with the primary antibody overnight at 4 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



IF (Immunofluorescence)

Immunofluorescence staining of A549 cells with AAA27041 at 1:230, counter-stained with DAPI. The cells were blocked in 10% normal Goat Serum and then incubated with the primary antibody overnight at 4 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).

ADDITIONAL INFORMATION

Related Product Information for anti-PKM antibody

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.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/pkm-antibody-western-blot-immunohistochemistry-immunofluorescence-flow-cytometry-immunoprecipitation-elisa/27041>