bs-0102M

[Primary Antibody]

PKM2 Mouse pAb



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DATACHEET		100 501 5000
Host: Mouse	Isotyne: IgG	Applications: WR (1.500, 2000)
Clonality: Polyclonal		IHC-P (1:100-500)
GenelD: 5315	SWISS: P14618	IF (1:100-500)
Target: PKM2		ICC/IF (1:100)
Immunogen: KLH conjugated syn 51-150/531.	nthetic peptide derived from human PKM2:	
Purification: affinity purified by Protein A		Reactivity: Human, Mouse, Rat (predicted: Rabbit, Pig, Cow, Horse) Predicted MW.: ⁵⁸ kDa
Concentration: 1mg/ml		
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
Background: The protein encode catalyzes the produ and ATP. This prote hormone, and thus by thyroid hormon protein, a bacterial gonococcal adhere a role of this protei spliced transcript v	ed by this gene is a pyruvate kinase that uction of phosphoenolpyruvate from pyruvate ein has been shown to interact with thyroid may mediate cellular metabolic effects induced es. This protein has been found to bind Opa outer membrane protein involved in nce to and invasion of human cells, suggesting n in bacterial pathogenesis. Three alternatively ariants encoding two distinct isoforms have	Subcellular Cytoplasm ,Nucleus Location:

- VALIDATION IMAGES -



been reported.

Sample: Lane 1: A549 (Human) Cell Lysate at 30 ug Lane 2: U87MG (Human) Cell Lysate at 30 ug Lane 3: U251 (Human) Cell Lysate at 30 ug Primary: Anti-PKM2 (bs-0102M) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 60 kD Observed band size: 60 kD



Sample: Hela Cell (Human) Lysate at 40 ug NIH/3T3 Cell (Mouse) Lysate at 40 ug Muscle (Mouse) Lysate at 40 ug Jurkat Cell (Human) Lysate at 40 ug Primary: Anti-PKM2 (bs-0102M) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 58 kD Observed band size: 58 kD



Tissue/cell: Human nasopharyngeal carcinoma; 4% Paraformaldehyde-fixed and paraffinembedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-M2-PK Polyclonal Antibody, Unconjugated(bs-0102M) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0024) and DAB(C-0010) staining



U-87MG cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (PKM2)



Hela cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (PKM2)



Tissue/cell: rat colitis tissue;4% Paraformaldehyde-fixed and paraffinembedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min;

polyclonal Antibody, Unconjugated (bs-0102M) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Mouse IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei. polyclonal Antibody, Unconjugated (bs-0102M) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Mouse IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei. Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-M2-PK Polyclonal Antibody, Unconjugated(bs-0102M) 1:200, overnight at 4°C; The secondary antibody was Goat Anti-Mouse IgG, Cy5 conjugated(bs-0296G-Cy5)used at 1:200 dilution for 40 minutes at 37°C.

- SELECTED CITATIONS -

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- [IF=7.4] Xue Li. et al. Pantothenate Kinase 4 Governs Lens Epithelial Fibrosis by Negatively Regulating Pyruvate Kinase M2-Related Glycolysis. AGING DIS. 2023 Oct 1; 14(5): 1834–1852 IF ;Mouse,Human. 37196116
- [IF=3.9] Xu Wei-long. et al. Quercetin Antagonizes Glucose Fluctuation Induced Renal Injury by Inhibiting Aerobic Glycolysis via HIF-1α/miR-210/ISCU/FeS Pathway. Front Med-Lausanne. 2021 Mar;8:219 WB ;MOUSE. 33748166
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- [IF=1.1] Xiang Yijia. et al. Scutellarin Protects against Myocardial Ischemia-reperfusion Injury by Enhancing Aerobic Glycolysis through miR-34c-5p/ALDOA Axis. INT J APPL BASIC MED. 2024 May;14(2):85 WB ;Rat. 10.4103/ijabmr.jjabmr_415_23