

Pyruvate Kinase M2 Antibody

Subcategory: Mouse Polyclonal Antibody

Cat. No.: 251145

Unit: 0.1 mg

Description:

PKM2 is a glycolytic enzyme that catalyzes the transfer of a phosphoryl group from phosphoenolpyruvate (PEP) to ADP for generating ATP. There are 4 isoenzymes of pyruvate kinase in mammals (L, R, M1 and M2) encoded by 2 different genes: PKLR and PKM. The L and R isoenzymes are generated from the PKLR by differential splicing of RNA; the M1 and M2 forms are produced from the PKM gene by differential splicing. L type is the major isozyme in liver, R is found in red cells, M1 is the main form in muscle, heart and brain, and M2 is found in early fetal tissues as well as in most cancer cells. This antibody binds to both M1 and M2 isoforms of PKM.

Isotype: Mouse Ig

Applications: E, IHC, WB

Species Reactivity: H, M, Rb, R

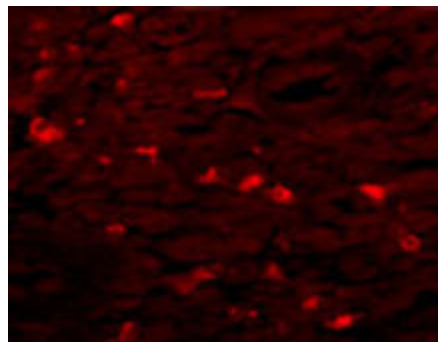
Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

Alternate Names: Pyruvate kinase isozymes M1/M2; Pyruvate kinase muscle isozyme; Pyruvate kinase 2/3; Cytosolic thyroid hormone-binding protein; CTHBP; THBP1; PKM2; PK2; PK3; PKM1; M1-PK; M2-PK

Accession No.: P14618

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human Pyruvate Kinase M2.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:100-1:500



PKM2 staining of rat colitis tissue. Formalin-fixed paraffin-embedded rat colitis tissue is stained with Pyruvate Kinase M2 Antibody (Cat. No. 251145) used at 1:200 dilution.

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.