

PKM Polyclonal Antibody

Catalog No. E-AB-70274

Note: Centrifuge before opening to ensure complete recovery of vial contents.

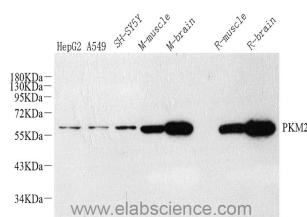
Description

Reactivity	Human,Mouse,Rat
Immunogen	Recombinant protein corresponding to Mouse PKM2
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Conjugation	Unconjugated
Buffer	PBS with 0.02% sodium azide, 1% protective protein and 50% glycerol, pH7.4

Applications Recommended Dilution

WB 1:500-1:2000

Data



Western Blot analysis of various samples using PKM Polyclonal Antibody at dilution of 1:1000.

Observed Mw:58kDa
Calculated Mw:58kDa

Preparation & Storage

Storage Store at -20°C. Avoid freeze / thaw cycles.

Background

PKM2, also named as OIP3, PK2, PK3, PKM, p58, THBP1, CTHBP and Tumor M2-PK, belongs to the pyruvate kinase family. It is a glycolytic enzyme that catalyzes the transfer of a phosphoryl group from phosphoenolpyruvate (PEP) to ADP, generating ATP. It stimulates POU5F1-mediated transcriptional activation. PKM2 plays a general role in caspase-independent cell death of tumor cells. The activity of the M2 isoform (but not the M1 isoform) can be inhibited by tyrosine kinase signaling in tumor cells. The primary pyruvate kinase isoform before tumor development is PK-M1; however, the primary isoform from four independent tumors is PK-M2. PKM2, Pyruvate kinase isozymes M1/M2, has 2 isoforms. The immunogen of this antibody is M2 isoform, also called PKM2.

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