

## PKM Polyclonal Antibody

**catalog number: E-AB-70274**

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

### Description

<b>Reactivity</b>	Human;Mouse;Rat
<b>Immunogen</b>	Recombinant protein corresponding to Mouse PKM2
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification</b>	Affinity purification
<b>Buffer</b>	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer, 1% protein protectant and 50% glycerol.

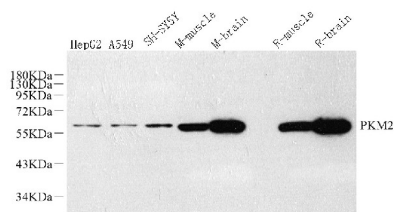
### Applications

**WB**

### Recommended Dilution

1:500-1:2000

### Data



Western Blot analysis of various samples using PKM

Polyclonal Antibody at dilution of 1:1000.

**Observed-MW:58 kDa**

**Calculated-MW:58 kDa**

### Preparation & Storage

**Storage**

Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

**Shipping**

The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

### 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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