

## Product datasheet for **AP26067PU-N**

### **PKM2 (PKM) (36-40) Rabbit Polyclonal Antibody**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Applications:</b>	WB
<b>Recommended Dilution:</b>	Western blot: 1:1000.
<b>Reactivity:</b>	Human
<b>Host:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>Immunogen:</b>	Peptide sequence around aa. 36~40
<b>Specificity:</b>	This antibody detects endogenous levels of total PKM2 protein.
<b>Formulation:</b>	Phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol State: Aff - Purified State: Liquid Ig fraction
<b>Concentration:</b>	lot specific
<b>Purification:</b>	Affinity-chromatography using epitope-specific peptide
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store (in aliquots) at -20 °C. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Gene Name:</b>	pyruvate kinase, muscle
<b>Database Link:</b>	<a href="#">Entrez Gene 5315 Human P14618</a>
<b>Background:</b>	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.



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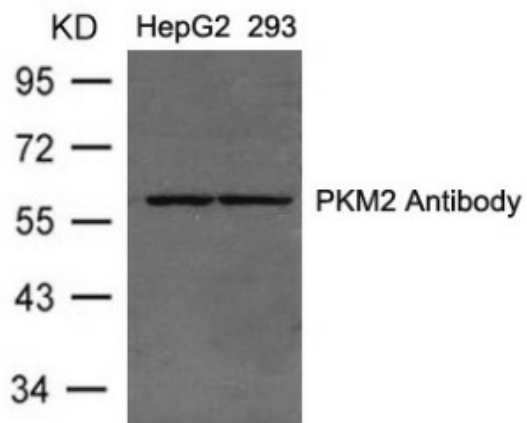
**Synonyms:** PK2, PK3, PKM, CTHBP, M2-PK, THBP1, OIP3, OIP-3, Pyruvate kinase 2/3, Pyruvate kinase M1/M2, Pyruvate kinase muscle

**Note:** Molecular weight: 60 kDa

**Protein Families:** Druggable Genome

**Protein Pathways:** Glycolysis / Gluconeogenesis, Metabolic pathways, Purine metabolism, Pyruvate metabolism, Type II diabetes mellitus

### Product images:



Western blot analysis of extracts from HepG2 and 293 cells using PKM2 Antibody.