

Product datasheet for **AP26067PU-S**

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

Product data:

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



[View online »](#)

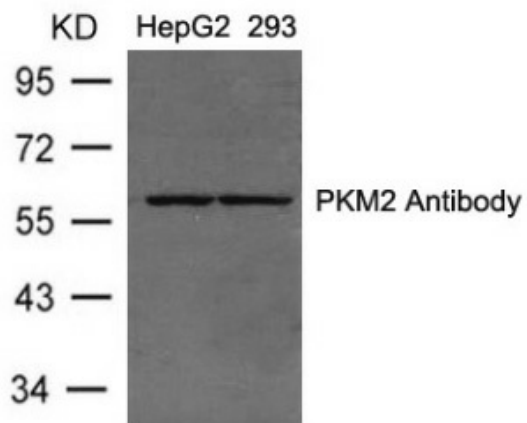
Synonyms: PK2, PK3, PKM, CTHBP, M2-PK, THBP1, OIP3, OIP-3, Pyruvate kinase 2/3, Pyruvate kinase M1/M2, Pyruvate kinase muscle

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.