

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Product datasheet for TA327597

PKM2 (PKM) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:500-1:1000
Reactivity:	Human
Host:	Rabbit
lsotype:	IgG
Clonality:	Polyclonal
Immunogen:	A phospho specific peptide corresponding to residues surrounding S37 of human PKM2
Formulation:	Store at -20C or -80C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	pyruvate kinase, muscle
Database Link:	<u>NP_002645</u> <u>Entrez Gene 5315 Human</u> <u>P14618</u>
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 betwween 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.
Synonyms:	CTHBP; HEL-S-30; OIP3; PK3; PKM2; TCB; THBP1
Note:	phospho



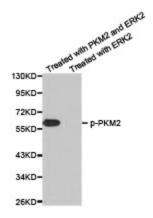
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PKM2 (PKM) Rabbit Polyclonal Antibody – TA327597

Protein Families: Druggable Genome

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

Product images:



Western blot analysis of in vitro kinase assays, using phospho-PKM2-S37 antibody

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