



# Magic™ Anti-PKM polyclonal antibody (DPAB-DC2260)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

**Antigen Description** This gene encodes a protein involved in glycolysis. The encoded protein is a pyruvate kinase that catalyzes the transfer of a phosphoryl group from phosphoenolpyruvate to ADP, generating ATP and pyruvate. This protein has been shown to interact with thyroid hormone and may mediate cellular metabolic effects induced by thyroid hormones. This protein has been found to bind Opa protein, a bacterial outer membrane protein involved in gonococcal adherence to and invasion of human cells, suggesting a role of this protein in bacterial pathogenesis. Several alternatively spliced transcript variants encoding a few distinct isoforms have been reported.

<b>Immunogen</b>	A Synthetic peptide corresponding to amino acids of PKM The sequence is APIIAVTR
<b>Isotype</b>	IgY
<b>Source/Host</b>	Chicken
<b>Species Reactivity</b>	Human
<b>Purification</b>	Antigen affinity purification
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Immuno-MRM (multiple reaction monitoring),
<b>Format</b>	Liquid
<b>Concentration</b>	1 mg/mL
<b>Size</b>	50 µg
<b>Buffer</b>	In Phosphate-Buffered Saline with 0.02% Sodium Azide.
<b>Preservative</b>	0.02% Sodium Azide

<b>Storage</b>	Store at 4°C. For long term storage, aliquot and store at -20°C. Avoid repeated freezing and thawing cycles.
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## GENE INFORMATION

<b>Gene Name</b>	<a href="#">PKM pyruvate kinase, muscle [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	PKM
<b>Synonyms</b>	PKM; pyruvate kinase, muscle; PK3; TCB; OIP3; PKM2; CTHBP; THBP1; HEL-S-30; pyruvate kinase PKM; p58; OIP-3; tumor M2-PK; PK, muscle type; pyruvate kinase 2/3; OPA-interacting protein 3; pyruvate kinase isozymes M1/M2; pyruvate kinase muscle isozyme; thyroid hormone-binding protein 1; epididymis secretory protein Li 30; cytosolic thyroid hormone-binding protein; thyroid hormone-binding protein, cytosolic;
<b>Entrez Gene ID</b>	<a href="#">5315</a>
<b>Protein Refseq</b>	<a href="#">NP_001193725</a>
<b>UniProt ID</b>	<a href="#">P14618</a>
<b>Chromosome Location</b>	15q22
<b>Pathway</b>	Adenine ribonucleotide biosynthesis, IMP => Biosynthesis of amino acids; Disease; Glycogen storage diseases
<b>Function</b>	ATP binding; MHC class II protein complex binding; magnesium ion binding; poly(A) RNA binding