



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

Storage	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

Gene Name	PKM pyruvate kinase, muscle [Homo sapiens (human)]
Official Symbol	PKM
Synonyms	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;
Entrez Gene ID	5315
Protein Refseq	NP_001193725
UniProt ID	P14618
Chromosome Location	15q22
Pathway	Adenine ribonucleotide biosynthesis, IMP => Biosynthesis of amino acids; Disease; Glycogen storage diseases
Function	ATP binding; MHC class II protein complex binding; magnesium ion binding; poly(A) RNA binding
