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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Product Number	ARP57789_P050-FITC
Product Page	www.avivasysbio.com/pkm2-antibody-middle-region-fitc-arp57789-p050-fitc.html
Name	PKM2 Antibody - middle region : FITC (ARP57789_P050-FITC)
Protein Size (# AA)	531 amino acids
Molecular Weight	58kDa
Conjugation	FITC: Fluorescein Isothiocyanate
NCBI Gene Id	5315
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Pyruvate kinase, muscle
Alias Symbols	PK3, TCB, p58, OIP3, PKM2, CTHBP, THBP1, HEL-S-30
Peptide Sequence	Synthetic peptide located within the following region: HLQLFEELRRLAPITSDPTEATAVGAVEASEFKCCSGAIIVLTKSGRSAHQ
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Description of Target	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. Three alternatively spliced transcript variants encoding two distinct isoforms have been reported.
Protein Interactions	LNX1; NXT2; HUWE1; ISG15; UBC; POLE2; FUS; SUMO2; SUMO3; STAU1; MDM2; SUZ12; EZH2; IPO11; TWF2; PDLIM5; NPLOC4; PLIN3; UBA2; EIF4A3; ANP32A; SRP14; RAD23B; PPP1CA; PIN1; CTPS1; CBS; CAPZA2; ACAT2; NLK; FBXO6; YWHAQ; RAF1; IGSF8; HDAC6; MAPK7; NPM1; CDK2;
Reconstitution and Storage	All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.
Datasheets/Manuals	Printable datasheet for anti-PKM (ARP57789_P050-FITC) antibody
Blocking Peptide	For anti-PKM (ARP57789_P050-FITC) antibody is Catalog# AAP57789 (Previous Catalog# AAPP44108)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human PKM2
Uniprot ID	P11980
Protein Name	Pyruvate kinase isozymes M1/M2
Sample Type Confirmation	PKM is supported by BioGPS gene expression data to be expressed in HeLa
Protein Accession #	NP_002645
Purification	Affinity Purified
Nucleotide Accession #	NM_002654
Gene Symbol	PKM
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Sheep, Yeast, Zebrafish
Application	WB

Predicted Homology Based on Immunogen Sequence	Cow: 93%; Dog: 93%; Guinea Pig: 100%; Horse: 93%; Human: 100%; Mouse: 100%; Rabbit: 93%; Rat: 100%; Sheep: 77%; Yeast: 85%; Zebrafish: 93%
Image 1	 A schematic diagram of a Y-shaped antibody molecule, consisting of two heavy chains and two light chains, represented by thick black lines.

AVIVA SYSTEMS BIOLOGY manufactures and sells quality antibody products covering genome wide proteins.

This product is for Research Use Only. Not for diagnostic, human, or veterinary use.

Optimal conditions of its use should be determined by end users.

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