

Rabbit anti-Human PKM1-specific Monoclonal Antibody | anti-PKM antibody

PKM1-specific Rabbit mAb

CATALOG # AAA282874	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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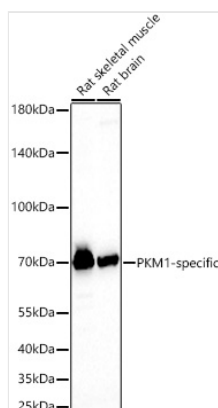
PRODUCT SYNONYMS

PKM1-specific; Monoclonal Antibody; PKM1-specific Rabbit mAb; PK3; TCB; p58; OIP3; PKM2; CTHBP; THBP1; HEL-S-30; anti-PKM antibody

PRODUCT SPECIFICATIONS

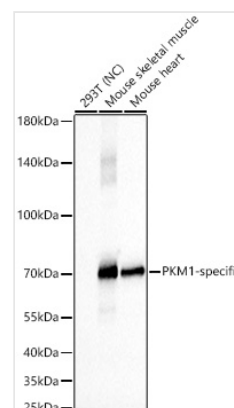
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	GSDVANAVLD GADCIMLSGE TAKGDYPLEA VRMQHLIARE AEAAMFHRKL FEELVRASSH STDLM EAMAM GSVEASYKCL AAALIVLTES GRSAHQVARY R
Applicable Applications for anti-PKM antibody	ELISA, WB (Western Blot)
Cross Reactivity	Human, Mouse, Rat
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 350-450 of human PKM1 (NP_001193728.1).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of various lysates using PKM1-specific Rabbit mAb (AAA282874) at 1:1000 dilution incubated at room temperature for 1.5 hours. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.



WB (Western Blot)

Western blot analysis of various lysates using PKM1-specific Rabbit mAb (AAA282874) at 1:1000 dilution incubated at room temperature for 1.5 hours. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Negative control (NC): 293T. Exposure time: 0.5s.

ADDITIONAL INFORMATION

Related Product Information for anti-PKM antibody	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.
Product Categories/Family for anti-PKM antibody	Epigenetics Nuclear Signaling; RNA Binding; Protein phosphorylation; Cancer; Tumor biomarkers; Signal Transduction; Endocrine Metabolism; Carbohydrate metabolism; Warburg Effect; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	332164775
NCBI GeneID	5315
NCBI Accession #	NP_001193725.1
NCBI GenBank Nucleotide #	NM_001206796.1
UniProt Accession #	P14618; P14786; Q53GK4; Q96E76; Q9BWB5; Q9UCV6; Q9UPF2; A6NFK3; B2R5N8; B3KRY0; B4DFX8; B4DUU6
Molecular Weight	Calculated MW: 58kDa Observed MW: 60kDa
UniProt Protein Name	Pyruvate kinase PKM
UniProt Gene Name	PKM
UniProt Synonym Gene Names	OIP3; PK2; PK3; PKM2; CTHBP; OIP-3; THBP1
UniProt Entry Name	KPYM_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/pkm1-specific-antibody-western-blot-elisa/282874>