

Rabbit PKM2 Polyclonal Antibody | anti-PKM antibody

PKM2 Antibody (C-term C474)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288647	Rabbit	Human (Predicted Reactivity: Rabbit)	Immunohistochemistry, ELISA, Western Blot

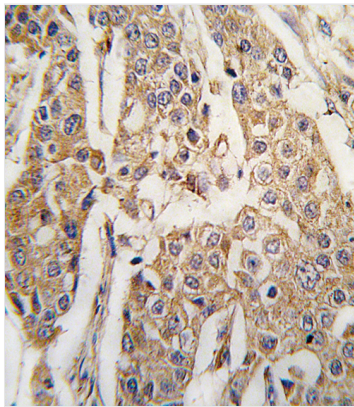
PRODUCT SYNONYMS

PKM2; Polyclonal Antibody; PKM2 Antibody (C-term C474); Pyruvate kinase PKM; Cytosolic thyroid hormone-binding protein; CTHBP; Opa-interacting protein 3; OIP-3; Pyruvate kinase 2/3; Pyruvate kinase muscle isozyme; Thyroid hormone-binding protein 1; THBP1; Tumor M2-PK; p58; PKM; OIP3; PK2; PK3; anti-PKM antibody

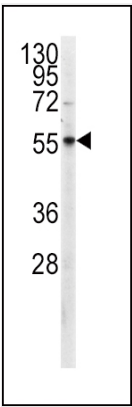
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Rabbit)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PKM2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 460-489 amino acids from the C-terminal region of human PKM2.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	460-489
Sequence Length	605
Applicable Applications for anti-PKM antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human breast carcinoma tissue reacted with PKM2 antibody (C-term C474) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of anti-PKM2 Antibody (C-term C474) in CEM cell line lysates (35ug/lane). PKM2(arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-PKM antibody	PKM2 is a pyruvate kinase that catalyzes the production of phosphoenolpyruvate from pyruvate and ATP. This protein has been shown to interact with thyroid hormone, and thus 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.
Product Categories/Family for anti-PKM antibody	Cancer; Cardiovascular; Metabolism; Signal transduction
References	Lehner, B., et al., Genome Res. 14(7):1315-1323 (2004). Gevaert, K., et al., Nat. Biotechnol. 21(5):566-569 (2003). Valentini, G., et al., J. Biol. Chem. 277(26):23807-23814 (2002). Lowrie, D.J. Jr., et al., J. Struct. Biol. 132(2):83-94 (2000). Williams, J.M., et al., Mol. Microbiol. 27(1):171-186 (1998).

NCBI AND UNIPROT INFORMATION

NCBI GI #	332164775
NCBI GeneID	5315
NCBI Accession #	NP_001193725.1; NP_001193726.1; NP_001193727.1; NP_001193728.1; NP_002645.3; NP_872270.1; NP_872271.1
NCBI GenBank Nucleotide #	NM_001206796.1
UniProt Accession #	P14618; P14786; Q53GK4; Q96E76; Q9BWB5; Q9UCV6; Q9UPF2; A6NFK3; B2R5N8; B3KRY0; B4DFX8; B4DUU6
Molecular Weight	57937
NCBI Official Full Name	pyruvate kinase PKM isoform c
NCBI Official Synonym Full Names	pyruvate kinase, muscle
NCBI Official Symbol	PKM
NCBI Official Synonym Symbols	PK3; TCB; OIP3; PKM2; CTHBP; THBP1; HEL-S-30
NCBI Protein Information	pyruvate kinase PKM
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/polyclonal/pkm2-antibody-immunohistochemistry-western-blot-elisa/288647>