

Rabbit anti-Human PKM2 Polyclonal Antibody | anti-PKM2 antibody

Rabbit anti-PKM2 Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA212249	Rabbit	Human	Immunohistochemistry, Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

PKM2; Polyclonal Antibody; Rabbit anti-PKM2 Antibody; Affinity Purified; pyruvate kinase 2/3; pyruvate kinase muscle isozyme; pyruvate kinase; muscle; TCB; THBP1; thyroid hormone-binding protein 1; tumor M2-PK; pyruvate kinase isozymes M1/M2; thyroid hormone-binding protein; cytosolic; HEL-S-30; PK3; pyruvate kinase PKM; epididymis secretory protein Li 30; OIP3; OIP-3; OPA-interacting protein 3; p58; CTHBP; PK; muscle type; cytosolic thyroid hormone-binding protein; Pyruvate kinase PKM; pyruvate kinase M1/2; anti-PKM2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-PKM2 antibody	IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Predicted Reactivity	Orangutan
Immunogen	Between 1 and 50
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human PKM2 by western blot and immunoprecipitation. Samples: Whole cell lysate from HeLa (15 and 50 ug for WB; 1 mg for IP, 20% of IP loaded), HEK293T (T; 50 ug) and Jurkat (J; 50 ug) cells. Antibodies: Affinity purified rabbit anti-PKM2 antibody AAA212249 used for WB at 0.1 ug/ml (A) and 0.4 ug/ml (B) and used for IP at 6 ug/mg lysate. PKM2 was also immunoprecipitated by rabbit anti-PKM2 antibody A303-660A, which recognizes a downstream epitope. Detection: Chemiluminescence with exposure times of 3 seconds (A and B).



IHC (Immunohistochemistry)

Detection of human PKM2 by immunohistochemistry. Samples: FFPE sections of human stomach. Antibody: Affinity purified rabbit anti-PKM2 Cat. No. AAA212249 Lot1 used at a dilution of 1:1,000 (1ug/ml) (left) and Cat. No. A303-660A Lot1 used at a dilution of 1:1,000 (1ug/ml) (right). Detection: DAB



IHC (Immunohistochemistry)

Detection of human PKM2 by immunohistochemistry. Samples: FFPE sections of human osteosarcoma. Antibody: Affinity purified rabbit anti-PKM2 Cat. No. AAA212249 Lot1 used at a dilution of 1:1,000 (1ug/ml) (left) and Cat. No. A303-660A Lot1 used at a dilution of 1:5,000 (0.2ug/ml) (right). Detection: DAB

ADDITIONAL INFORMATION

Related Product Information for anti-PKM2 antibody	Pyruvate Kinase M2 (PKM2) is a glycolytic enzyme that catalyzes the transfer of a phosphoryl group from phosphoenolpyruvate (PEP) to ADP, generating ATP. The ratio between the highly active tetrameric form and nearly inactive dimeric form determines whether glucose carbons are channeled to biosynthetic processes or used for glycolytic ATP production. The transition between the 2 forms contributes to the control of glycolysis and is important for tumor cell proliferation and survival. PKM2 also stimulates POU5F1-mediated transcriptional activation, and plays a general role in caspase independent cell death of tumor cells [taken from the Universal Protein Resource (UniProt) www.uniprot.org/uniprot/P14618].
Product Categories/Family for anti-PKM2 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	33286418
NCBI GeneID	5315
NCBI Accession #	NP_002645.3
NCBI GenBank Nucleotide #	NM_002654.4
UniProt Accession #	P14618 ; P14786 ; Q53GK4 ; Q96E76 ; Q9BWB5 ; Q9UCV6 ; Q9UPF2 ; A6NFK3 ; B2R5N8 ; B3KRY0 ; B4DFX8 ; B4DUU6
Molecular Weight	56,273 Da
NCBI Official Full Name	pyruvate kinase PKM isoform a
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; 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
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.