

Mouse PKM2 Monoclonal Antibody | anti-PKM2 antibody

Anti-PKM2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290864	Mouse	Human, Mouse, Rat, Monkey	Immunofluorescence, Western Blot

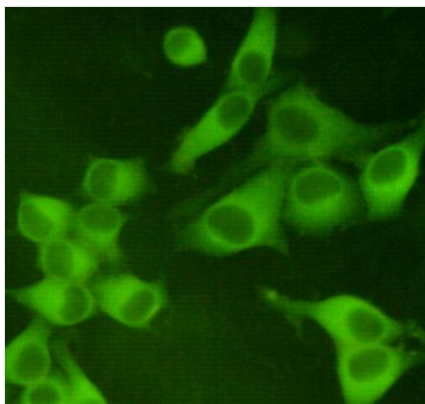
PRODUCT SYNONYMS

PKM2; Monoclonal Antibody; Anti-PKM2 Antibody; CTHBP; Cytosolic thyroid hormone binding protein; Cytosolic thyroid hormone-binding protein; KPXM_HUMAN; MGC3932; OIP 3; OIP-3; OIP3; OPA interacting protein 3; Opa-interacting protein 3; p58; PK muscle type; PK; muscle type; PK2; PK3; PKM; pykm; Pyruvate kinase 2/3; Pyruvate kinase 3; Pyruvate kinase isozymes M1/M2; Pyruvate kinase muscle; Pyruvate kinase muscle isozyme; pyruvate kinase PKM; Pyruvate kinase; muscle 2; TCB; THBP1; Thyroid hormone binding protein 1; Thyroid hormone binding protein cytosolic; Thyroid hormone-binding protein 1; Tumor M2 PK; Tumor M2-PK.; anti-PKM2 antibody

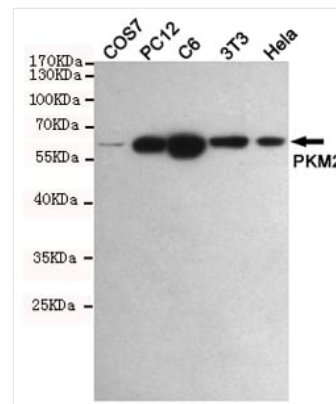
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat, Monkey
Clonality	Monoclonal
Isotype	IgG1
Form/Format	Purified mouse monoclonal antibody in PBS (pH 7.4) containing with 0.03% Proclin300 and 50% glycerol.
Sequence Length	605
Applicable Applications for anti-PKM2 antibody	IF (Immunofluorescence), WB (Western Blot)
Cellular Location	Cytoplasm. Nucleus. Note=Translocates to the nucleus in response to different apoptotic stimuli. Nuclear translocation is sufficient to induce cell death that is caspase independent, isoform-specific and independent of its enzymatic activity
Tissue Location	Specifically expressed in proliferating cells, such as embryonic stem cells, embryonic carcinoma cells, as well as cancer cells.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt

IMAGES


ICC (Immunocytochemistry)

Immunocytochemistry staining of HeLa cells fixed with 4% Paraformaldehyde and using anti-PKM2 mouse mAb (dilution 1:400).


WB (Western Blot)

Western blot detection of PKM2 in COS7,PC12,C6,3T3 and HeLa cell lysates using PKM2 mouse mAb (1:1000 diluted).Predicted band size:60KDa.Observed band size:60KDa.

ADDITIONAL INFORMATION

Related Product Information for anti-PKM2 antibody	Glycolytic enzyme that catalyzes the transfer of a phosphoryl group from phosphoenolpyruvate (PEP) to ADP, generating ATP. Stimulates POU5F1-mediated transcriptional activation. Plays a general role in caspase independent cell death of tumor cells. 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	332164775
NCBI GeneID	5315
NCBI Accession #	NP_001193725.1
NCBI GenBank Nucleotide #	NM_002654
UniProt Accession #	P14618; P14786; Q53GK4; Q96E76; Q9BWB5; Q9UCV6; Q9UPF2; A6NFK3; B2R5N8; B3KRY0; B4DFX8; B4DUU6
Molecular Weight	60 KDa
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

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.