

PKM2 antibody - middle region

Rabbit Polyclonal Antibody

Catalog # AI14197

Product Information

Application	WB
Primary Accession	P11980
Other Accession	NM_002654 , NP_002645
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Dog, Guinea Pig, Horse, Bovine, Sheep, Yeast
Predicted Host	Human, Rat, Zebrafish, Pig, Chicken, Horse, Bovine
Clonality	Rabbit
Calculated MW	Polyclonal 57818

Additional Information

Gene ID	25630
Alias Symbol	CTHBP, MGC3932, OIP3, PK3, PKM, TCB, THBP1, PKM2
Other Names	Pyruvate kinase PKM, 2.7.1.40, Pyruvate kinase muscle isozyme, Pkm, Pkm2, Pykm
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-PKM2 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	PKM2 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Pkm
Synonyms	Pkm2, Pykm
Function	Catalyzes the final rate-limiting step of glycolysis by mediating 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.

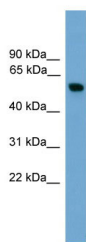
Cellular Location

[Isoform M2]: Cytoplasm {ECO:0000250|UniProtKB:P14618}. Nucleus {ECO:0000250|UniProtKB:P14618} Note=Translocates to the nucleus in response to various signals, such as EGF receptor activation or apoptotic stimuli {ECO:0000250|UniProtKB:P14618}

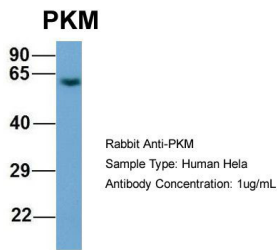
References

Noguchi T.,et al.J. Biol. Chem. 261:13807-13812(1986).
Takenaka M.,et al.J. Biol. Chem. 264:2363-2367(1989).
Parkinson C.,et al.Nucleic Acids Res. 17:7106-7106(1989).
Lubec G.,et al.Submitted (JUL-2007) to UniProtKB.

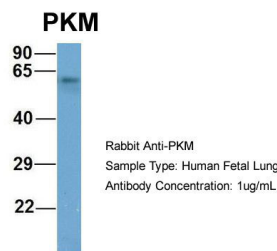
Images



WB Suggested Anti-PKM2 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:312500
Positive Control: Human heart



Host:Rabbit
Target Name:PKM
Sample Tissue:Human HeLa
Antibody Dilution: 1.0µg/mlPKM is supported by BioGPS gene expression data to be expressed in HeLa



Host:Rabbit
Target Name:PKM
Sample Tissue:Human Fetal Lung
Antibody Dilution: 1.0µg/ml

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.