

PKM2 antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI14197**Specification**

PKM2 antibody - middle region - Product Information

Application	WB
Primary Accession	P11980
Other Accession	NM_002654 , NP_002645
Reactivity	Human, Mouse, Rat, Rabbit, Sheep, Horse, Yeast, Bovine, Guinea Pig, Dog
Predicted Host	Human, Rat, Pig, Chicken, Horse, Bovine
Clonality	Rabbit
Calculated MW	Polyclonal 58kDa KDa

PKM2 antibody - middle region - 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.

PKM2 antibody - middle region - 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

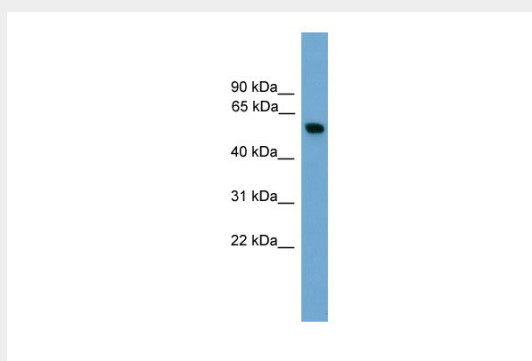
[Isoform M2]: Cytoplasm {ECO:0000250|UniProtKB:P14618}. Nucleus {ECO:0000250|UniProtKB:P14618} Note=Translocates to the nucleus in response to various signals, such as EGF receptor activation or apoptotic stimuli {ECO:0000250|UniProtKB:P14618}

PKM2 antibody - middle region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

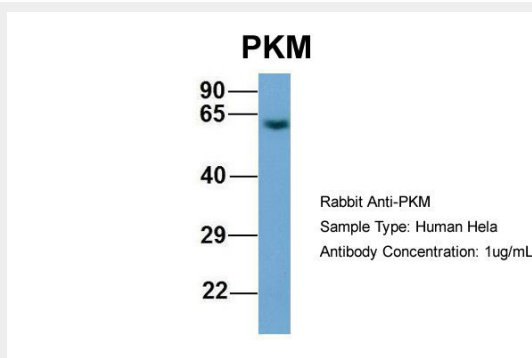
PKM2 antibody - middle region - Images



WB Suggested Anti-PKM2 Antibody Titration: 0.2-1 µg/ml

ELISA Titer: 1:312500

Positive Control: Human heart

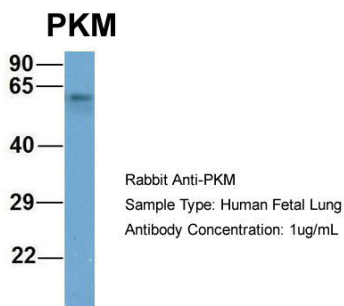


Host:Rabbit

Target Name:PKM

Sample Tissue:Human HeLa

Antibody Dilution: 1.0µg/ml PKM 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

PKM2 antibody - middle region - 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.