

Human pyruvate kinase isoform M2 (PKM2) mouse monoclonal antibody (clone ES2)

Catalog PODI-0081

Lot 12345

Product specification sheet PS-PAb0081

Product description

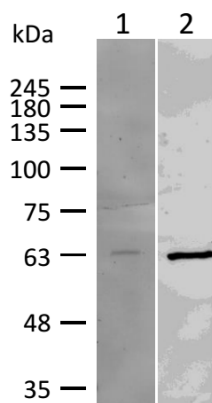
Pyruvate kinase isoenzyme type M2 (PKM2 or M2-PK) is one of the two isozymes encoded by the human *PKM* gene. The two isozymes M1 and M2 are alternative splicing products and differ in one of eleven exons. Pyruvate kinase is a critical enzyme in glycolysis as it dephosphorylates phosphoenolpyruvate (PEP) to pyruvate resulting in the net production ATP. PKM2 is mainly found in differentiated tissues such as lung as well as in rapidly proliferating cells including tumour cells

Product type:	Primary antibodies
Clone number:	ES2
Immunogen:	Native human pyruvate kinase isoform M2 purified by immunoabsorbant chromatography
Reacts with:	Human, does not cross-react with L, R and M1 isotypes
Tested applications:	ELISA, WB, IHC
Purity:	GammaBind Plus sepharose purified, >95%
Isotype:	IgG1
Light chain type:	Kappa
Storage buffer:	PBS
Form:	Liquid
Concentration:	0.5 mg/ml

Storage and stability

Store at 4 °C, short term (1-2 weeks). For long-term storage, aliquot and keep at or below -20° C. Avoid repeated freeze-thaw cycles

Data



Western blot analysis of cell extracts from cell lines HS683 (lane 1) or THP-1 (lane 2). PKM2 antibody was used at 1:1000 dilution and detected with goat anti-mouse HRP conjugate.

References

van Erp HE, Roholl PJ, Rijksen G, Sprengers ED, van Veelen CW, Staal GE. Production and characterization of monoclonal antibodies against human type K pyruvate kinase. Eur J Cell Biol. 1988 Dec;47(2):388-94.

Mazurek S, Boschek CB, Hugo F, Eigenbrodt E. Pyruvate kinase type M2 and its role in tumor growth and spreading. Semin Cancer Biol. 2005 Aug;15(4):300-8.

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