

PKM Polyclonal Antibody

Catalog number: 10078-2-AP

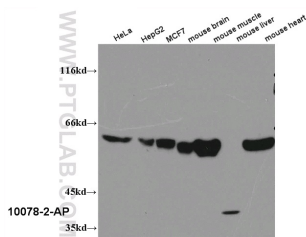
Size: 21 µg/150 µl

Source: Rabbit

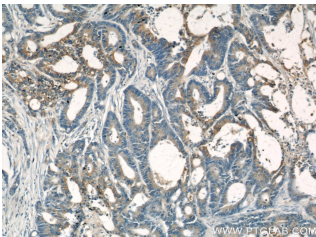
Isotype: IgG

Synonyms:

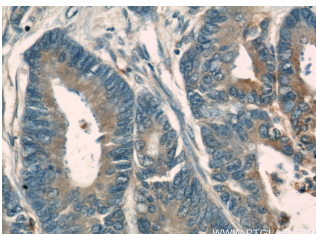
PKM2; CTHBP, OIP 3, OIP3,
Opa interacting protein 3, p58,
PK2, PK3, PKM, PKM1, PKM2,
PKM2 pyruvate kinase, muscle,
Pyruvate kinase 2/3, Pyruvate
kinase isozymes M1/M2,
Pyruvate kinase muscle
isozyme, TCB, THBP1, Tumor
M2 PK



WB result of 10078-2-AP (PKM antibody) with various lysates.



Immunohistochemical of paraffin-embedded human colon cancer using 10078-2-AP (PKM antibody) at dilution of 1:50 (under 10x lens)



Immunohistochemical of paraffin-embedded human colon cancer using 10078-2-AP (PKM antibody) at dilution of 1:50 (under 40x lens)

Background

PKM, also named as OIP3, PK2, PK3, PK-M1/2, p58, THBP1, CTHBP and Tumor M2-PK, belongs to the pyruvate kinase family. It is glycolytic enzyme that catalyzes the transfer of a phosphoryl group from phosphoenolpyruvate (PEP) to ADP, generating ATP. It stimulates POU5F1-mediated transcriptional activation. PKM plays a general role in caspase independent cell death of tumor cells. The activity of the M2 isoform (but not the M1 isoform) can be inhibited by tyrosine kinase signalling in tumour cells. The primary pyruvate kinase isoform before tumour development is PK-M1; however, the primary isoform from four independent tumours is PK-M2. (PMID:18337823). PKM, Pyruvate kinase isozymes M1/M2, has 2 isoforms. This antibody can recognize both PK-M1 and PK-M2.

Applications

Tested applications:	ELISA, IHC, WB
Species specificity:	Human, Mouse; other species not tested.
Calculated PKM MW:	58kd
Observed PKM MW:	58 kDa
Positive WB detected in	Multi-cells/tissue, HEK-293 cells, HeLa cells, HepG2 cells, Jurkat cells, MCF7 cells, NIH/3T3 cells, Raji cells, SH-SY5Y cells, SKOV-3 cells
Positive IHC detected in	Human colon cancer tissue
Recommended dilution:	WB: 1:500-1:5000 IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag0110
GenBank accession number:	BC000481
Gene ID (NCBI):	5315
Full name:	PKM2 pyruvate kinase, muscle

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.