

PKM2 Antibody

Catalog No: #21578

Package Size: #21578-1 50ul #21578-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

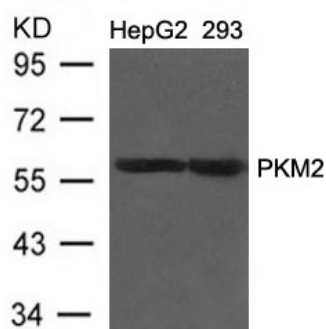
Description

Product Name	PKM2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB;IHC;IF;ELISA
Species Reactivity	Human;Mouse;Rat
Specificity	The antibody detects endogenous levels of total PKM2 protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.405~409(T-S-D-P-T) derived from Human PKM2.
Conjugates	Unconjugated
Target Name	PKM2
Other Names	PKM; PK3; OIP3; PK2;
Accession No.	Swiss-Prot: P14618-1NCBI Protein: NP_872270.1
Calculated MW	58kDa
SDS-PAGE MW	58-60kDa
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

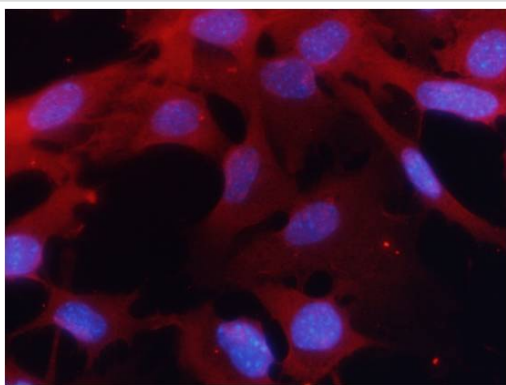
Application Details

WB 1:500-1:2000; IHC 1:50-1:200; IF 1:50-1:200; ELISA 1:5000-1:20000;

Images



Western blot analysis of extracts from HepG2 and 293 cells using PKM2 Antibody #21578.



Immunofluorescence staining of methanol-fixed MEF cells using PKM2 Antibody #21578.

Background

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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Mazurek, S. et al. (2005) Semin Cancer Biol 15, 300-8.

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.