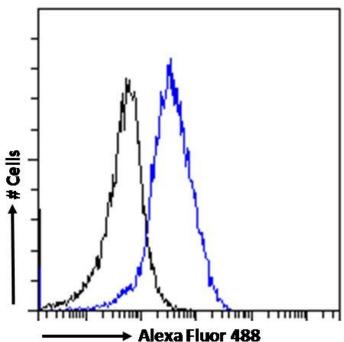
Email: customerservice@vectorlabs.com

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GOAT ANTI-PCK2 / PEPCK-M ANTIBODY





SPECIFICATIONS

Formulation Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Unit Size 100 μg

Storage

Instructions Aliquot and store at -20°C. Minimize freezing and thawing.

Synonym / Alias

phosphopyruvate carboxylase|phosphoenolpyruvate carboxylase|mitochondrial phosphoenolpyruvate carboxykinase 2|PEP carboxykinase|PEPCK2|PEPCK|HGNC:8725|phosphoenolpyruvate carboxykinase 2

Names

(mitochondrial)|PEPCK-M|PCK2

Usage Summary

Immunofluorescence: Strong expression of the protein seen in the cytoplasm of U2OS cells. Recommended concentration: 10µg/ml. Flow Cytometry: Flow cytometric analysis of MCF7

cells. Recommended concentration: 10ug/ml.

Accession

NP 004554.3; NP 001278485.1

Blocking Peptide

ID

EBP06944

Immunogen

Peptide with sequence KPWKPGDKEPCAH, from the internal region of the protein sequence according to NP 004554.3; NP 001278485.1.





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Product Comments

No cross-reactivity with PCK1.

Peptide

Sequence

KPWKPGDKEPCAH

Purification Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using

Method

the immunizing peptide.

Shipping Instructions Refrigerated

Predicted Species

Human, Mouse, Rat, Dog, Pig, Cow

Reactive

Human, Mouse Species

Human

5106 **Gene ID**

Product

Grade

https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/elite_plus_medium.png

ELISA

Detection

Western

Antibody detection limit dilution 1:4000.

Limit

Blot

Approx 70kDa band observed in lysates of cell lines A431, HEK293 HepG2 and NIH3T3 (calculated MW of 70.7kDa according to Human NP_004554.3 and 70.5kDa according to Mouse NP_083270.2). Recommended concentration:

1-3µg/ml. Primary incubation 1 hour at room temperature.

Application

Type

Pep-ELISA, WB, IF, FC

SELECTED REFERENCES

[{"pmid": 23466304, "intro": "This antibody (previous batch) has been successfully used in WB and IF on Mouse:", "title": "PEPCK-M expression in mouse liver potentiates, not replaces, PEPCK-C mediated gluconeogenesis.", "author": "Méndez-Lucas A, Duarte JA, Sunny NE, Satapati S, He T, Fu X, Bermúdez J, Burgess SC, Perales JC.", "journal": "J Hepatol. 2013 Mar 4. doi:pii: S0168-8278(13)00142-6."}, {"pmid": 24973213, "intro": "**This antibody (previous** batch) has been successfully used in WB and IF on Human:", "title":

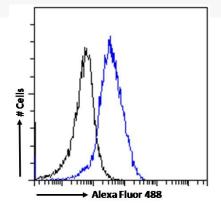
"Mitochondrial phosphoenolpyruvate carboxykinase (PEPCK-M) is a prosurvival, endoplasmicreticulum (ER) stress response gene involved in tumor cell adaptation to n utrient availability.", "author": "Méndez-Lucas A, Hyrossová P, Novellasdemunt L, Viñals F, Perales JC.", "journal": "J Biol Chem. 2014 Aug 8;289(32):22090-102"}]

GALLERY IMAGES

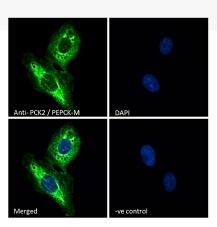


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250kDa 150kDa 100kDa 75kDa



50kDa

37kDa

25kDa

20kDa

15kDa





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