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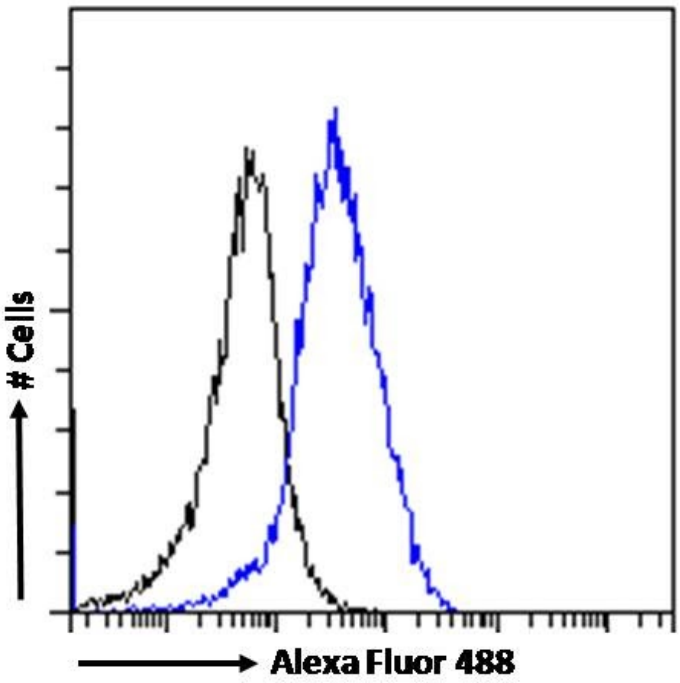
GOAT ANTI-PCK2 / PEPCK-M ANTIBODY

SKU: EB06944



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 Names	phosphopyruvate carboxylase|phosphoenolpyruvate carboxylase|mitochondrial phosphoenolpyruvate carboxykinase 2|PEP carboxykinase|PEPCK2|PEPCK|HGNC:8725|phosphoenolpyruvate carboxykinase 2 (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 ID	NP_004554.3; NP_001278485.1
Blocking Peptide	EBP06944
Immunogen	Peptide with sequence KPWKPGDKEPCAH, from the internal region of the protein sequence according to NP_004554.3; NP_001278485.1.

Product Comments	No cross-reactivity with PCK1.
Peptide Sequence	KPWKPGDKEPCAH
Purification Method	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Shipping Instructions	Refrigerated
Predicted Species	Human, Mouse, Rat, Dog, Pig, Cow
Reactive Species	Human, Mouse
Human Gene ID	5106
Product Grade	https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/elite_plus_medium.png
ELISA Detection Limit	Antibody detection limit dilution 1:4000.
Western 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 pro-survival, 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"}]

DOCUMENTS

- Data Sheet

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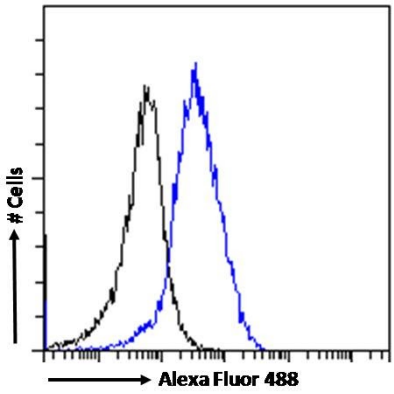
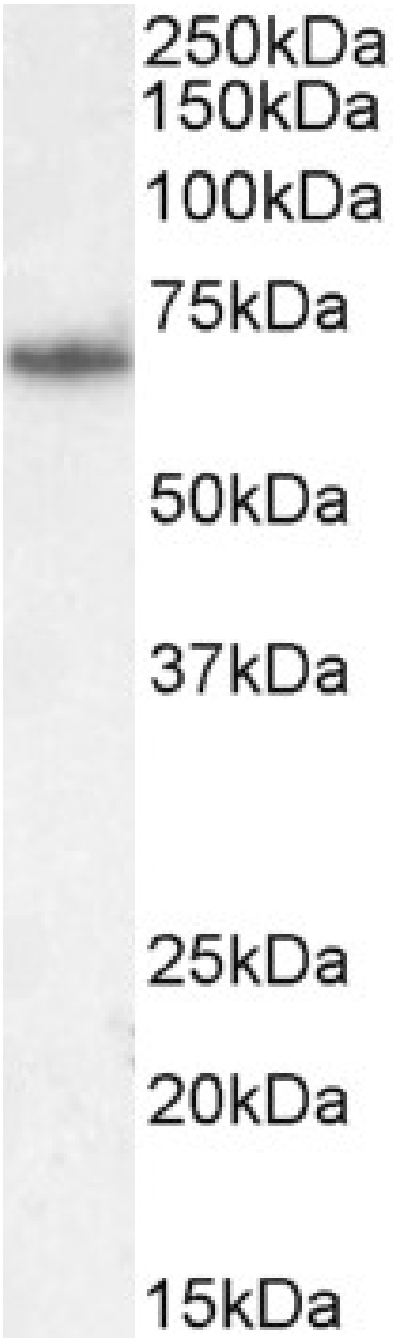
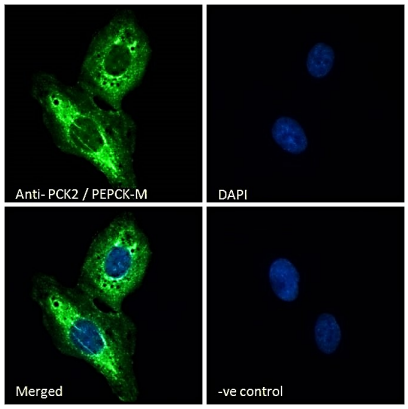
GALLERY IMAGES







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