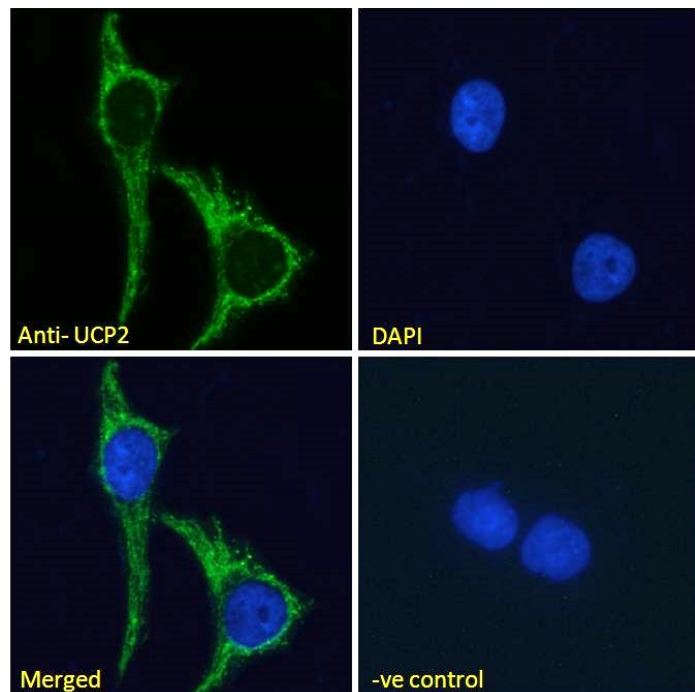


GOAT ANTI-UNCOUPLING PROTEIN 2 / UCP2 ANTIBODY

SKU: EB07716



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 uncoupling protein-2|uncoupling protein 2|UCPH|SLC25A8|uncoupling protein 2 (mitochondrial, proton carrier)|UCP2

Usage Summary Immunofluorescence: Strong expression of the protein seen in the Mitochondria of MCF7 cells. Recommended concentration: 10µg/ml.

Accession ID NP_003346.2

Blocking Peptide EBP07716

Immunogen Peptide with sequence C-DSVKQFYTKGSEH, from the internal region of the protein sequence according to NP_003346.2.

Peptide Sequence	C-DSVKQFYTKGSEH
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
Reactive Species	Human, Mouse, Rat
Human Gene ID	7351
Mouse Gene ID	22228
Rat Gene ID	54315
Product Grade	https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/elite_medium.png
IHC Results	Weak positive staining of red and white pulp cells in paraffin embedded Human Kidney, at 6-7ug/ml.
ELISA Detection Limit	Antibody detection limit dilution 1:128000.
Western Blot	Approx 37kDa band observed in Rat Adipose and 28-30kDa in Mouse Spleen lysates (calculated MW of 33.4kDa according to Mouse NP_035801.3 and 33.4kDa according to Rat NP_062227.2). Recommended concentration: 0.3-1µg/ml. Primary incubation 1 hour at room temperature.
Application Type	Pep-ELISA, WB, IF

SELECTED REFERENCES

[{"pmid": 23434936, "intro": "**This antibody (previous batch) has been successfully used in IF/ICC in Mouse :**", "title": "UCP2 Regulates the Glucagon Response to Fasting and Starvation.", "author": "Allister EM, Robson-Doucette CA, Prentice KJ, Hardy AB, Sultan S, Gaisano HY, Kong D, Gilon P, Herrera PL, Lowell BB, Wheeler MB.", "journal": "Diabetes. 2013 Feb 22. [Epub ahead of print]"}]

DOCUMENTS

- [Data Sheet](#)

GALLERY IMAGES

