



# 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.



<b>Peptide Sequence</b>	C-DSVKQFYTKGSEH
<b>Purification Method</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Shipping Instructions</b>	Refrigerated
<b>Predicted Species</b>	Human, Mouse, Rat, Dog
<b>Reactive Species</b>	Human, Mouse, Rat
<b>Human Gene ID</b>	7351
<b>Mouse Gene ID</b>	22228
<b>Rat Gene ID</b>	54315
<b>Product Grade</b>	<a href="https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/elite_medium.png">https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/elite_medium.png</a>
<b>IHC Results</b>	Weak positive staining of red and white pulp cells in paraffin embedded Human Kidney, at 6-7ug/ml.
<b>ELISA Detection Limit</b>	Antibody detection limit dilution 1:128000.
<b>Western Blot</b>	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.
<b>Application Type</b>	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

