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# anti-UCP2 antibody (Internal Region)



**Images** 



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## Overview

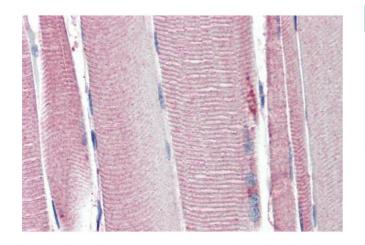
Quantity:	100 μg
Target:	UCP2
Binding Specificity:	Internal Region
Reactivity:	Human, Mouse, Rat
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This UCP2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF)
Product Details	
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Purpose:	Uncoupling protein 2 / UCP2
Sequence:	DSVKQFYTKG SEH
Isotype:	IgG
Cross-Reactivity:	Dog, Human, Mouse, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

# **Target Details**

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rarget Details	
Alternative Name:	UCP2 (UCP2 Products)
Background:	UCP2, uncoupling protein 2 (mitochondrial, proton carrier), SLC25A8, UCPH, uncoupling protein
	2, uncoupling protein-2
Gene ID:	7351, 22228, 54315
NCBI Accession:	NP_003346
Pathways:	Negative Regulation of Hormone Secretion, Carbohydrate Homeostasis, Proton Transport
Application Details	
Application Notes:	Immunohistochemistry: Weak positive staining of red and white pulp cells in parafin embedded
	Human Kidney, at 6-7 μg/mL.
	Western Blot: Approx 37 kDa band observed in Rat Adipose and 28-30 kDa in Mouse Spleen
	lysates (calculated MW of 33.4 kDa according to Mouse NP_035801.3 and 33.4 kDa according
	to Rat NP_062227.2). Recommended concentration: 0.3-1 µg/mL. Primary incubation 1 h
	Peptide ELISA: antibody detection limit dilution 1:128000.
Comment:	Immunofluorescence: Strong expression of the protein seen in the Mitochondria of MCF7 cells
	Recommended concentration: 10µg/ml.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum
	albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated
	at 4°C for a few weeks and still remain viable.



#### **Immunohistochemistry**

**Image 1.** ABIN5539644 (3.75µg/ml) staining of paraffin embedded Human Skeletal Muscle. Steamed antigen retrieval with citrate buffer pH 6, AP-staining. This data is from a previous batch, not on sale.



#### **Western Blotting**

**Image 2.** ABIN5539644 (1μg/ml) staining of Rat Adipose (A) and Mouse Spleen (B) lysate (35μg protein in RIPA buffer). Detected by chemiluminescence.

### **Western Blotting**

**Image 3.** Antibody ( $1\mu g/ml$ ) staining of Rat Adipose lysate ( $35\mu g$  protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Please check the product details page for more images. Overall 7 images are available for ABIN5539644.