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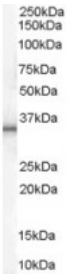
UCP1 Antibody

CATALOG NUMBER: 46-548



Western blot analysis of UCP1 in human Adipose lysate (35 ug protein in RIPA buffer) using UCP1 Antibody at 1 ug/mL.

Specifications

SPECIES REACTIVITY:	Human
TESTED APPLICATIONS:	ELISA, WB
APPLICATIONS:	ELISA: Antibody detection limit dilution 1:128,000. Western Blot: Approximately 35 kDa band observed in human adipose lysates (calculated MW of 33.0 kDa according to NP_068605.1). Recommended concentration: 0.1-1 ug/mL.
POSITIVE CONTROL:	1) Cat. No. XBL-11048 - Human Adipose Tissue Lysate
IMMUNOGEN:	UCP1 antibody was raised against a 12 amino acid synthetic peptide near the C-Terminus of UCP1.
HOST SPECIES:	Goat

Properties

PURIFICATION:	UCP1 antibody was purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
PHYSICAL STATE:	Liquid
BUFFER:	UCP1 antibody is supplied in Tris saline, 0.02% sodium azide, pH 7.3 with 0.5% bovine serum albumin.
CONCENTRATION:	500 ug/mL
STORAGE CONDITIONS:	Aliquot and store at -20˚C. Minimize freezing and thawing.
CLONALITY:	Polyclonal
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	UCP1, uncoupling protein 1 (mitochondrial, proton carrier), HGNC:12517, SLC25A7, UCP, mitochondrial brown fat uncoupling protein, uncoupling protein 1
ACCESSION NO.:	NP_068605.1
PROTEIN GI NO.:	11225256
OFFICIAL SYMBOL:	UCP1
GENE ID:	7350

Background

REFERENCES: 1) Ishigaki Y, Katagiri H, Yamada T, Ogihara T, Imai J, Uno K, Hasegawa Y, Gao J, Ishihara H, Shimosegawa T, Sakoda H, Asano T, Oka Y. Dissipating excess energy stored in the liver is a potential treatment strategy for diabetes associated with obesity. Diabetes. 2005 Feb;54(2):322-32.

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