

Rabbit UCP1 Polyclonal Antibody | anti-UCP1 antibody

UCP1 antibody - C-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA201170	Rabbit	Cow, Guinea Pig, Horse, Human, Mouse, Rat, Sheep	Western Blot

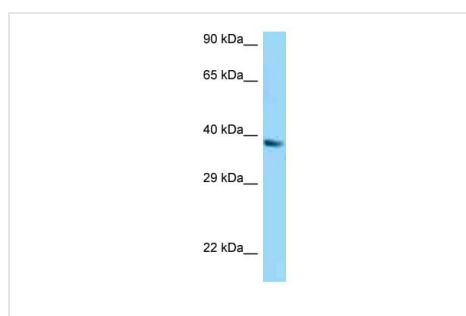
PRODUCT SYNONYMS

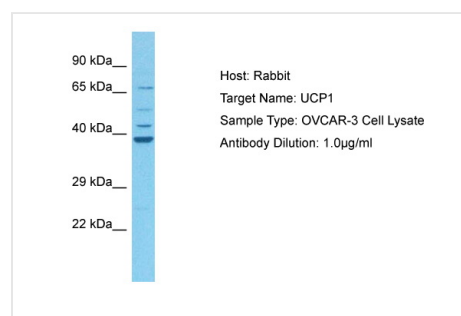
UCP1; Polyclonal Antibody; UCP1 antibody - C-terminal region; anti-UCP1 antibody

PRODUCT SPECIFICATIONS

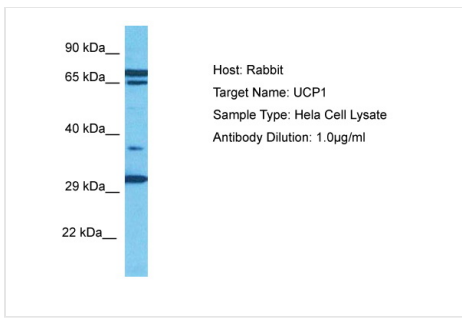
Host	Rabbit
Reactivity	Cow, Guinea Pig, Horse, Human, Mouse, Rat, Sheep
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: AM KVFTNEGPTA FFKGLVPSFL RLGSWNVIMF VCFEQLKREL SKSRQTMD
Sequence Length	307
Applicable Applications for anti-UCP1 antibody	WB (Western Blot)
Homology	Cow: 79%; Guinea Pig: 79%; Horse: 86%; Human: 100%; Mouse: 79%; Rat: 91%; Sheep: 86%
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES


WB (Western Blot)

WB Suggested Anti-UCP1 Antibody Titration: 1.0 ug/ml
Positive Control: A549 Whole Cell Lysate
UCP1 is supported by BioGPS gene expression data to be expressed in A549

WB (Western Blot)

Host: Rabbit
Target Name: UCP1
Sample Type: OVCAR-3 Cell Lysate
Antibody Dilution: 1.0 ug/ml



WB (Western Blot)
Host: RabbitTarget Name: UCP1Sample Tissue: Human Hela Whole CellAntibody Dilution: 1ug/ml

ADDITIONAL INFORMATION

Related Product Information for anti-UCP1 antibody	This is a rabbit polyclonal antibody against UCP1. It was validated on Western Blot Target Description: Mitochondrial uncoupling proteins (UCP) are members of the family of mitochondrial anion carrier proteins (MACP). UCPs separate oxidative phosphorylation from ATP synthesis with energy dissipated as heat, also referred to as the mitochondrial proton leak. UCPs facilitate the transfer of anions from the inner to the outer mitochondrial membrane and the return transfer of protons from the outer to the inner mitochondrial membrane. They also reduce the mitochondrial membrane potential in mammalian cells. Tissue specificity occurs for the different UCPs and the exact methods of how UCPs transfer H+/OH- are not known. UCPs contain the three homologous protein domains of MACPs. This gene is expressed only in brown adipose tissue, a specialized tissue which functions to produce heat.
Product Categories/Family for anti-UCP1 antibody	Polyclonal; Drugs and Drug Metabolism; Mitochondria; Cell Differentiation

NCBI AND UNIPROT INFORMATION

NCBI GI #	11225256
NCBI GeneID	7350
NCBI Accession #	NP_068605
NCBI GenBank Nucleotide #	NM_021833
UniProt Accession #	P25874
Molecular Weight	34kDa
NCBI Official Full Name	mitochondrial brown fat uncoupling protein 1
NCBI Official Synonym Full Names	uncoupling protein 1
NCBI Official Symbol	UCP1
NCBI Official Synonym Symbols	UCP; SLC25A7
NCBI Protein Information	mitochondrial brown fat uncoupling protein 1
UniProt Protein Name	Mitochondrial brown fat uncoupling protein 1
UniProt Gene Name	UCP1
UniProt Synonym Gene Names	SLC25A7; UCP; UCP 1
UniProt Entry Name	UCP1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

