

Rabbit UCP3 Polyclonal Antibody | anti-UCP3 antibody

UCP3 Rabbit Polyclonal Antibody

CATALOG # AAA313715	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Western Blot
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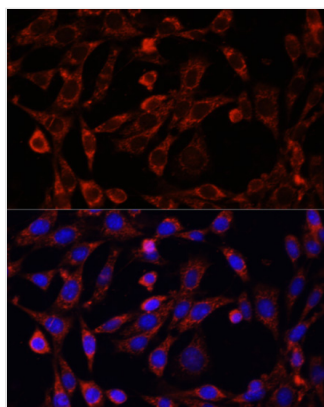
PRODUCT SYNONYMS

UCP3; Polyclonal Antibody; UCP3 Rabbit Polyclonal Antibody; SLC25A9; anti-UCP3 antibody

PRODUCT SPECIFICATIONS

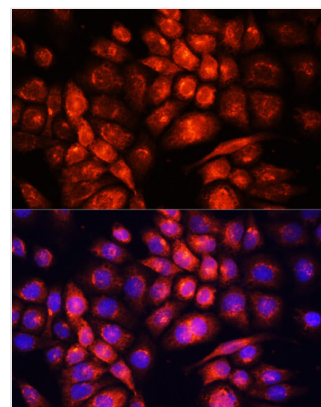
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Applicable Applications for anti-UCP3 antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen	Recombinant protein of human UCP3.
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



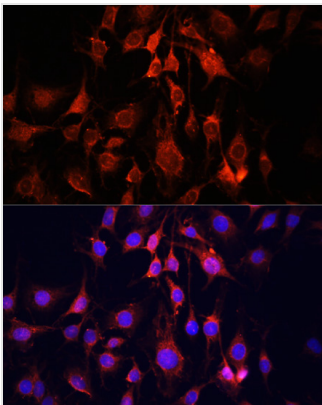
IF (Immunofluorescence)

Immunofluorescence analysis of NIH/3T3 cells using UCP3 at dilution of 1:100. Blue: DAPI for nuclear staining.



IF (Immunofluorescence)

Immunofluorescence analysis of HeLa cells using UCP3 at dilution of 1:100. Blue: DAPI for nuclear staining.



IF (Immunofluorescence)
Immunofluorescence analysis of C6 cells using UCP3 at dilution of 1:100. Blue: DAPI for nuclear staining.

ADDITIONAL INFORMATION

Related Product Information for anti-UCP3 antibody	Mitochondrial uncoupling proteins (UCP) are members of the larger 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. The different UCPs have tissue-specific expression; this gene is primarily expressed in skeletal muscle. This gene's protein product is postulated to protect mitochondria against lipid-induced oxidative stress. Expression levels of this gene increase when fatty acid supplies to mitochondria exceed their oxidation capacity and the protein enables the export of fatty acids from mitochondria. UCPs contain the three solcar protein domains typically found in MACPs. Two splice variants have been found for this gene.
Product Categories/Family for anti-UCP3 antibody	Primary Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	2497983
NCBI GeneID	7352
UniProt Accession #	P55916; O60475; Q96HL3
Molecular Weight	312
NCBI Official Full Name	Mitochondrial uncoupling protein 3
NCBI Official Synonym Full Names	uncoupling protein 3 (mitochondrial, proton carrier)
NCBI Official Symbol	UCP3
NCBI Official Synonym Symbols	SLC25A9
NCBI Protein Information	mitochondrial uncoupling protein 3; solute carrier family 25 member 9
UniProt Protein Name	Mitochondrial uncoupling protein 3
UniProt Gene Name	UCP3
UniProt Synonym Gene Names	SLC25A9; UCP 3
UniProt Entry Name	UCP3_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.

