

Rabbit UCP2 Polyclonal Antibody | anti-UCP2 antibody

UCP2 Polyclonal Antibody

CATALOG # AAA173302	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, ELISA
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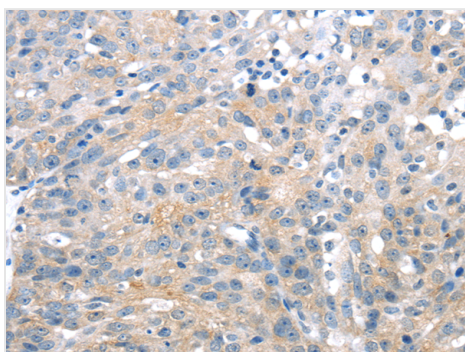
PRODUCT SYNONYMS

UCP2; Polyclonal Antibody; UCP2 Polyclonal Antibody; UCPH; BMIQ4; SLC25A8; anti-UCP2 antibody

PRODUCT SPECIFICATIONS

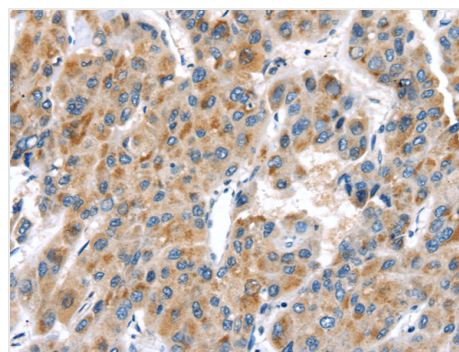
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purification
Concentration	1.4mg/ml (varies by lot)
Sequence Length	309
Applicable Applications for anti-UCP2 antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Synthetic peptide of human UCP2
Buffer	PBS with 0.05% sodium azide, 50% glycerol, pH7.3
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-6526 / sc-6527 / sc-6525
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human breast cancer tissue using UCP2 Polyclonal Antibody at dilution 1:20



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human liver cancer tissue using UCP2 Polyclonal Antibody at dilution 1:20

ADDITIONAL INFORMATION

Related Product Information for anti-UCP2 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. 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 in many tissues, with the greatest expression in skeletal muscle. It is thought to play a role in nonshivering thermogenesis, obesity and diabetes. Chromosomal order is 5'-UCP3-UCP2-3'.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1877474
NCBI GeneID	7351
Molecular Weight	33,229 Da
NCBI Official Full Name	UCP2
NCBI Official Synonym Full Names	uncoupling protein 2
NCBI Official Symbol	UCP2
NCBI Official Synonym Symbols	UCPH; BMIQ4; SLC25A8
NCBI Protein Information	mitochondrial uncoupling protein 2
UniProt Protein Name	Mitochondrial uncoupling protein 2
UniProt Gene Name	UCP2
UniProt Synonym Gene Names	SLC25A8; UCP 2
UniProt Entry Name	UCP2_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ucp2-antibody-immunohistochemistry-elisa/173302>