

Rat Mitochondrial brown fat uncoupling protein 1 ELISA Kit | Ucp1 elisa kit

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CATALOG #
AAA190879

REACTIVITY
Rat

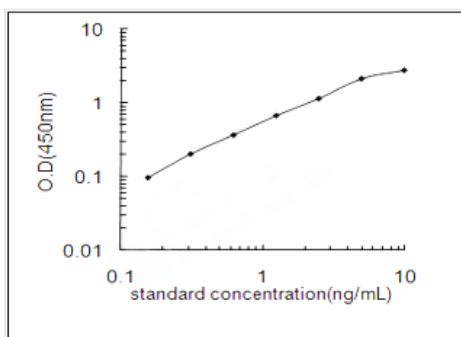
PRODUCT SYNONYMS

Mitochondrial brown fat uncoupling protein 1; Rat Mitochondrial brown fat uncoupling protein 1 ELISA Kit; UCP 1; Solute carrier family 25 member 7; Thermogenin; Ucp1; Slc25a7; Ucp; Ucp1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay recognizes recombinant and natural rat UCP 1. No significant cross-reactivity or interference was observed.
Sequence Length	307
Assay Type	Sandwich
Detection Range	0.156-10 ng/mL
Sensitivity	0.091 ng/mL
Intra-Assay CV	<=4.5%
Inter-Assay CV	<=8.9%
Recovery	100%
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Ucp1 elisa kit	Intended Uses This immunoassay kit allows for the in vitro quantitative determination of rat mitochondrial brown fat uncoupling protein 1,UCP 1 concentrations in serum, Plasma, tissue homogenates and Cell culture supernates and Other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to UCP 1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for UCP 1 and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain UCP 1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of UCP 1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6981692
NCBI GeneID	24860
NCBI Accession #	NP_036814.1
NCBI GenBank Nucleotide #	NM_012682.2
UniProt Accession #	P04633
Molecular Weight	33,212 Da
NCBI Official Full Name	mitochondrial brown fat uncoupling protein 1
NCBI Official Synonym Full Names	uncoupling protein 1 (mitochondrial, proton carrier)
NCBI Official Symbol	Ucp1
NCBI Official Synonym Symbols	Ucp; Ucpa; Uncp
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_RAT

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/ucp1-rat-elisa-kits/mitochondrial-brown-fat-uncoupling-protein-1/190879>