

Rat uncoupling protein 1 (UCP1) ELISA Kit | UCP1 elisa kit

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CATALOG #
AAA120924

REACTIVITY
Rat

PRODUCT SYNONYMS

uncoupling protein 1 (UCP1); Rat uncoupling protein 1 (UCP1) ELISA Kit; UCP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	307
Samples	Serum, plasma, cell culture supernates, cell lysates, tissue homogenates
Assay Type	Quantitative Sandwich
Detection Range	0.1ng/ml - 40ng/ml
Sensitivity	0.048ng/ml
Intra-Assay	CV<8%
Inter-Assay	CV<10%
Preparation and Storage	Store at 2 to 8 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for UCP1 elisa kit

Intended Uses: This sandwich kit is for the accurate quantitative detection of Rat Uncoupling Protein 1 (also known as UCP1) in serum, plasma, cell culture supernates, cell lysates, tissue homogenates.

Principles of the Assay: This kit is an Enzyme-Linked Immunosorbent Assay (ELISA). The plate has been pre-coated with Rat UCP1 antibody. UCP1 present in the sample is added and binds to antibodies coated on the wells. And then biotinylated Rat UCP1 Antibody is added and binds to UCP1 in the sample. Then Streptavidin-HRP is added and binds to the Biotinylated UCP1 antibody. After incubation unbound Streptavidin-HRP is washed away during a washing step. Substrate solution is then added and color develops in proportion to the amount of Rat UCP1. The reaction is terminated by addition of acidic stop solution and absorbance is measured at 450 nm.

NCBI AND UNIPROT INFORMATION

NCBI GI #	46854818
NCBI GeneID	7350
Molecular Weight	33,005 Da
NCBI Official Full Name	UCP1 protein, partial
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	UCP 1Curated

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/rat-elisa-kits/uncoupling-protein-1-ucp1/120924>