

Mitochondrion Extraction Kit

Mitochondrion Extraction Kit (Cultured Cells)

CATALOG #
AAA332431

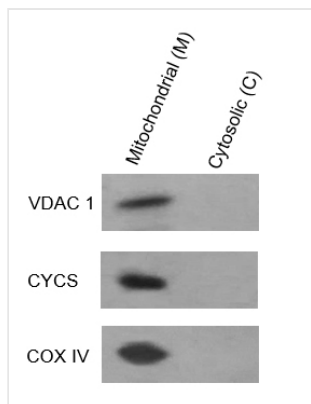
PRODUCT SYNONYMS

Mitochondrion; Mitochondrion Extraction Kit (Cultured Cells); Mitochondrion extraction kit

PRODUCT SPECIFICATIONS

Sequence Length	554
Preparation and Storage	Refer to list of materials supplied for storage conditions of individual components. Stable for at least 12 months at recommended temperature from date of shipment.

IMAGES



Application Data

Fig. 293T cells were extracted with Mitochondrion Extraction Kit (Cultured Cells). Mitochondrial (M) and Cytosolic (C) fractions were analyzed by WB using cytochrome c antibody, VDAC1 antibody and COX IV antibody.

ADDITIONAL INFORMATION

Related Product Information for Mitochondrion extraction kit

Principle of the Assay: The Mitochondria Isolation Kit enables rapid and crude isolation of intact mitochondria from cultured mammalian cells. The kit offers two protocols for the separation of mitochondria from cytosolic components relying on differential centrifugation. First protocol utilizes a reagent-based method allowing multiple samples to be processed concurrently. The second protocol uses traditional Dounce homogenization and provides approximately two-fold more mitochondria.

Background/Introduction: Mitochondria is a double-membrane-bound organelle found in most eukaryotic cells. The function of mitochondria is to provide cellular energy. Moreover, mitochondria are involved in other tasks, such as signaling, cellular differentiation, and cell death, as well as maintaining control of the cell cycle and cell growth. Mitochondria have been implicated in several human diseases, including mitochondrial disorders, heart failure and autism. Mitochondria may play an important role in these cellular processes.

NCBI AND UNIPROT INFORMATION

NCBI GI # [1020703694](#)

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/extraction-kits/mitochondrion/332431>