

Function

- Mitochondria are the site of most of the energy production in eukaryotic cells .
- They use complex molecules and oxygen to produce a high energy molecule known as ATP (Adenosine Triphosphate)
- A process called **aerobic respiration**

Unique properties

- Mitochondria are very unique in several regards

- have their own circular DNA
- have their own Ribosomes.

(The DNA in the cell nucleus does not code for the construction of mitochondria.)

Are you
calling me
dysfunctional?



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A mutation in the genes regulating any of these functions can result in a variety of mitochondrial diseases.