

#### OriGene Technologies, Inc.

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# Product datasheet for TA358680

## **NDUFS4 Rabbit Polyclonal Antibody**

#### **Product data:**

| Product Type:           | Primary Antibodies   |
|-------------------------|--|
| Applications:           | WB   |
| Reactivity:             | Human  |
| Host:                   | Rabbit   |
| Clonality:              | Polyclonal   |
| Specificity:            | <b>Expected reactivity</b> : Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat<br><b>Homology</b> : Cow: 100%; Dog: 93%; Guinea Pig: 100%; Horse: 93%; Human: 100%; Mouse:<br>100%; Rabbit: 100%; Rat: 100% |
| Formulation:            | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.<br>Note that this product is shipped as lyophilized powder to China customers.                                 |
| Concentration:          | lot specific   |
| Purification:           | Affinity Purified  |
| Conjugation:            | Unconjugated   |
| Storage:                | For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.  |
| Stability:              | Shelf life: one year from despatch.  |
| Predicted Protein Size: | 20kDa  |
| Gene Name:              | NADH:ubiquinone oxidoreductase subunit S4  |
| Database Link:          | <u>NP_002486</u><br><u>Entrez Gene 4724 Human</u><br><u>O43181</u>   |



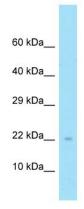
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| Background: | This gene encodes an accessory subunit of the mitochondrial membrane respiratory chain<br>NADH dehydrogenase (Complex I), or NADH:ubiquinone oxidoreductase, the first multi-<br>subunit enzyme complex of the mitochondrial respiratory chain. Complex I plays a vital role<br>in cellular ATP production, the primary source of energy for many crucial processes in living<br>cells. It removes electrons from NADH and passes them by a series of different protein-<br>coupled redox centers to the electron acceptor ubiquinone. In well-coupled mitochondria, the<br>electron flux leads to ATP generation via the building of a proton gradient across the inner<br>membrane. Complex I is composed of at least 41 subunits, of which 7 are encoded by the<br>mitochondrial genome and the remainder by nuclear genes. |
|-------------|--|
| Synonyms:   | AQDQ; CI-AQDQ  |

Protein Families:Druggable GenomeProtein Pathways:Alzheimer's disease, Huntington's disease, Metabolic pathways, Oxidative phosphorylation,<br/>Parkinson's disease

### **Product images:**



WB Suggested Anti-NDUFS4 Antibody Titration: 1.0 ug/ml Positive Control: Fetal Lung

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