

## Product datasheet for **CF807596**

### NDUFB11 Mouse Monoclonal Antibody [Clone ID: OTI5B4]

#### Product data:

|                         |                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:           | Primary Antibodies                                                                                                                                                                                                                                                                                                                   |
| Clone Name:             | OTI5B4                                                                                                                                                                                                                                                                                                                               |
| Applications:           | WB                                                                                                                                                                                                                                                                                                                                   |
| Recommended Dilution:   | WB 1:2000                                                                                                                                                                                                                                                                                                                            |
| Reactivity:             | Human                                                                                                                                                                                                                                                                                                                                |
| Host:                   | Mouse                                                                                                                                                                                                                                                                                                                                |
| Isotype:                | IgG1                                                                                                                                                                                                                                                                                                                                 |
| Clonality:              | Monoclonal                                                                                                                                                                                                                                                                                                                           |
| Immunogen:              | Human recombinant protein fragment corresponding to amino acids 30-163 of human NDUFB11(NP_061929) produced in E.coli.                                                                                                                                                                                                               |
| Formulation:            | Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)                                                                                                                                                                                                                                                                    |
| Reconstitution Method:  | For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific) |
| Purification:           | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)                                                                                                                                                                                                                            |
| Conjugation:            | Unconjugated                                                                                                                                                                                                                                                                                                                         |
| Storage:                | Store at -20°C as received.                                                                                                                                                                                                                                                                                                          |
| Stability:              | Stable for 12 months from date of receipt.                                                                                                                                                                                                                                                                                           |
| Predicted Protein Size: | 18.2 kDa                                                                                                                                                                                                                                                                                                                             |
| Gene Name:              | NADH:ubiquinone oxidoreductase subunit B11                                                                                                                                                                                                                                                                                           |
| Database Link:          | <a href="#">NP_061929</a><br><a href="#">Entrez Gene 54539 Human</a><br><a href="#">Q9NX14</a>                                                                                                                                                                                                                                       |



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**Background:**

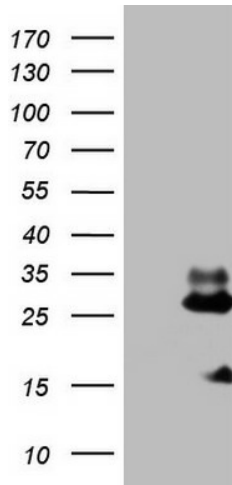
NDUFB11 is a component of mitochondrial complex I. Complex I catalyzes the first step in the electron transport chain, the transfer of 2 electrons from NADH to ubiquinone, coupled to the translocation of 4 protons across the membrane (Carroll et al., 2002 [PubMed 12381726]). [supplied by OMIM, Feb 2009]

**Synonyms:**

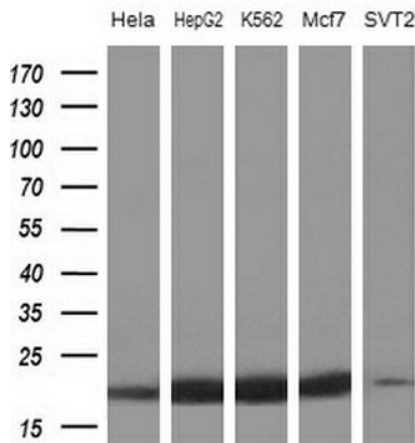
CI-ESSS; ESSS; Np15; NP17.3; P17.3

**Protein Families:**

Transmembrane

**Product images:**


HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY NDUFB11 ([RC213937], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-NDUFB11. Positive lysates [LY412795] (100ug) and [LC412795] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (10ug) from 5 different cell lines by using anti-NDUFB11 monoclonal antibody at 1:200 dilution.