

## (KO Validated) NDUFS2 Polyclonal Antibody

**catalog number: E-AB-64354**

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

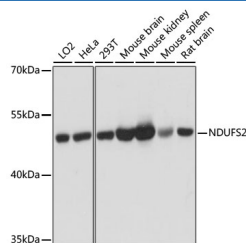
### Description

|                     |                                                                                    |
|---------------------|------------------------------------------------------------------------------------|
| <b>Reactivity</b>   | Human;Mouse;Rat                                                                    |
| <b>Immunogen</b>    | Recombinant fusion protein of human NDUFS2 (NP_004541.1).                          |
| <b>Host</b>         | Rabbit                                                                             |
| <b>Isotype</b>      | IgG                                                                                |
| <b>Purification</b> | Affinity purification                                                              |
| <b>Buffer</b>       | Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol. |

### Applications

|           |               |
|-----------|---------------|
| <b>WB</b> | 1:1000-1:3000 |
| <b>IF</b> | 1:50-1:200    |

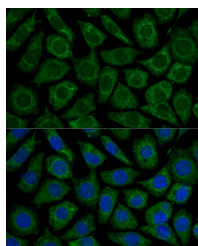
### Data



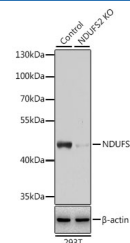
Western blot analysis of extracts of various cell lines using NDUFS2 Polyclonal Antibody at dilution of 1:3000.

**Observed-MW:49 kDa**

**Calculated-MW:51 kDa/52 kDa**



Immunofluorescence analysis of L929 cells using NDUFS2 Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



Western blot analysis of extracts from normal (control) and NDUFS2 knockout (KO) 293T cells using NDUFS2 Polyclonal Antibody at dilution of 1:3000.

**Observed-MW:49 kDa**

**Calculated-MW:51 kDa/52 kDa**

### Preparation & Storage

|                 |                                                                                                          |
|-----------------|----------------------------------------------------------------------------------------------------------|
| <b>Storage</b>  | Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.                                          |
| <b>Shipping</b> | The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended. |

### Background

### For Research Use Only

The protein encoded by this gene is a core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (complex I). Mammalian mitochondrial complex I is composed of at least 43 different subunits, 7 of which are encoded by the mitochondrial genome, and the rest are the products of nuclear genes. The iron-sulfur protein fraction of complex I is made up of 7 subunits, including this gene product. Complex I catalyzes the NADH oxidation with concomitant ubiquinone reduction and proton ejection out of the mitochondria. Mutations in this gene are associated with mitochondrial complex I deficiency. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

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