

(KO Validated) NDUFS2 Polyclonal Antibody

catalog number: E-AB-64354

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

Description

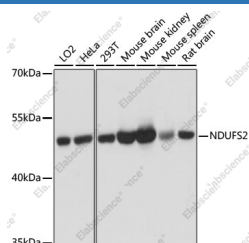
Reactivity	Human;Mouse;Rat
Immunogen	Recombinant fusion protein of human NDUFS2 (NP_004541.1).
Host	Rabbit
Isotype	Rabbit IgG
Purification	Affinity purification
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol.

Applications

Recommended Dilution

WB	1:1000-1:3000
IF	1:50-1:200

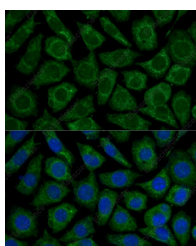
Data



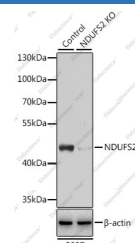
Western blot analysis of extracts of various cell lines using NDUFS2 Polyclonal Antibody at dilution of 1:3000.

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

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

Background

For Research Use Only

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Rev. V1.8

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.