

# NDUFS2 Polyclonal Antibody

Catalog No: #27818



Package Size: #27818-1 50ul #27818-2 100ul

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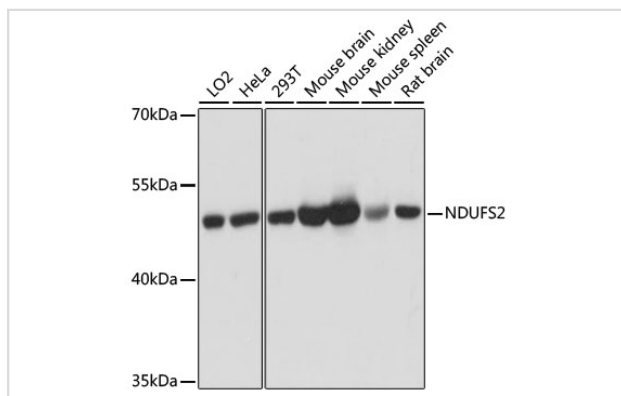
## Description

Product Name	NDUFS2 Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC,IF
Species Reactivity	Human,Mouse,Rat
Immunogen Description	Recombinant fusion protein of human NDUFS2 (NP_004541.1).
Other Names	NDUFS2; CI-49; NADH:ubiquinone oxidoreductase core subunit S2
Accession No.	Swiss-Prot#:O75306NCBI Gene ID:4720
Calculated MW	49kDa
Formulation	Avoid freeze / thaw cycles. Buffer: PBS with 50% glycerol, pH7.4.
Storage	Store at -20°C

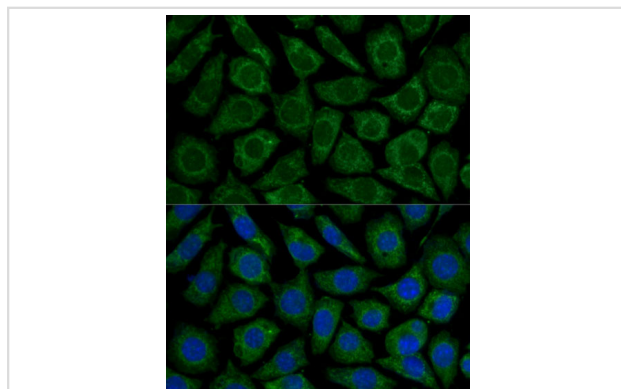
## Application Details

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

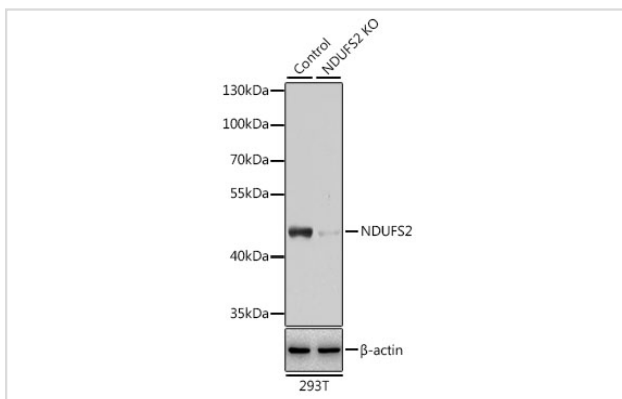
## Images



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



Immunofluorescence analysis of L929 cells using NDUFS2 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 antibody at 1:3000 dilution.

## Background

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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.