Datasheet for ABIN7256414

anti-NDUFS2 antibody

3 Images

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Overview

Quantity:	200 µL
Target:	NDUFS2
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NDUFS2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein of human NDUFS2 (NP_004541.1).
Isotype:	IgG
Specificity:	This antibody ist KO validated.
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification
Grade:	KO Validated

Target Details

Target:	NDUFS2
Alternative Name:	NDUFS2 (NDUFS2 Products)
Background:	The protein encoded by this gene is a core subunit of the mitochondrial membrane respiratory

Target Details

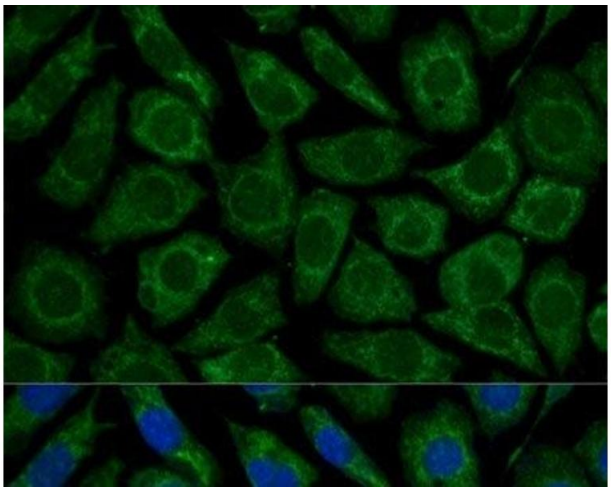
	chain NADH dehydrogenase (complex I). Mammalian mitochondrial complex I is composed of at least 43 different subunits, 7 of which are encoded by the mitochondrial genome, and the rest are the products of nuclear genes. The iron-sulfur protein fraction of complex I is made up of 7 subunits, including 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.
Molecular Weight:	Observed_MW: 49 kDa Calculated_MW: 51 kDa/52 kDa
Gene ID:	4720
UniProt:	O75306

Application Details

Application Notes:	WB 1:1000-1:3000 IF 1:50-1:200
Restrictions:	For Research Use only

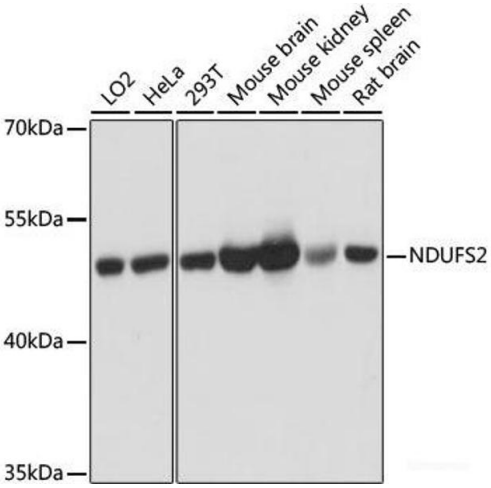
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



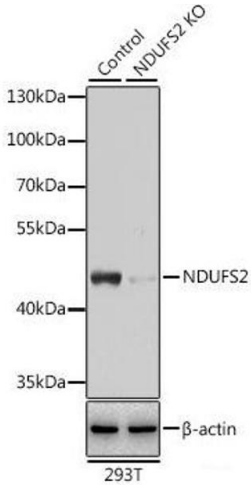
Immunofluorescence

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



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines using NDUFS2 Polyclonal Antibody at dilution of 1:3000.



Western Blotting

Image 3. Western blot analysis of extracts from normal (control) and NDUFS2 knockout (KO) 293T cells using NDUFS2 Polyclonal Antibody at dilution of 1:3000.