

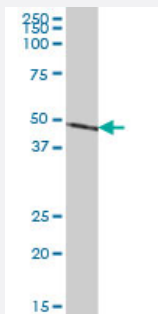
MaxPab®

NDUFS2 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00004720-B01P

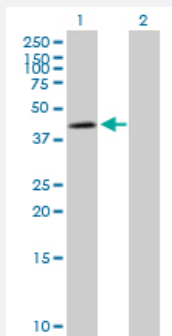
Size 50 ug

Applications



Western Blot (Tissue lysate)

NDUFS2 MaxPab polyclonal antibody. Western Blot analysis of NDUFS2 expression in human kidney.



Western Blot (Transfected lysate)

Western Blot analysis of NDUFS2 expression in transfected 293T cell line ([H00004720-T01](#)) by NDUFS2 MaxPab polyclonal antibody.

Lane 1: NDUFS2 transfected lysate(50.93 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human NDUFS2 protein.

Immunogen

NDUFS2 (NP_004541.1, 1 a.a. ~ 463 a.a) full-length human protein.

Sequence

MAALRALCGFRGVAAQVLRPGAGVRLPIQPSRGVVRQWQPDVEWAQQFGGAVMYPKETAHWK
PPPWNVDVDPKDTIVKNITLNFQHPAAHGVRLVMELSGEMVRKCDPHIGLLHRGTEKLIEYKT
YLQALPYFDRLDYVSMCMNEQAYSLAVEKLLNIRPPRAQWIRVLFGEITRLLNHIMAVTTHALDLG
AMTPFFWLFEEREKMFEFYERVSGARMHAAVIRPGGVHQDLPLGLMDDIYQFSKNFSLRLDELEE
LLTNNRWRNRTIDIGVVTAEALNYGFSGVMLRGSGIQWDLRKTQPYDVYDQVEFDVPVGSRGD
CYDRYLCRVEEMRQSLRIAQCLNKMPGGEIKVDDAKVSPPKRAEMKTSMESLIHHFKLYTEGYQV
PPGATYTAIEAPKGEFGVYLVSDGSSRPYRCKIKAPGFAHLAGLDKMSKGHMLADVVAIGTQDIVF
GEVDR

Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (92); Rat (92)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

NDUFS2 MaxPab polyclonal antibody. Western Blot analysis of NDUFS2 expression in human kidney.

[Protocol Download](#)

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Western Blot analysis of NDUFS2 expression in transfected 293T cell line ([H00004720-T01](#)) by NDUFS2 MaxPab polyclonal antibody.

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[Protocol Download](#)

Gene Info — NDUFS2

Entrez GeneID	4720
GeneBank Accession#	NM_004550.3
Protein Accession#	NP_004541.1
Gene Name	NDUFS2
Gene Alias	-
Gene Description	NADH dehydrogenase (ubiquinone) Fe-S protein 2, 49kDa (NADH-coenzyme Q reductase)
Omim ID	252010 602985
Gene Ontology	Hyperlink

Gene Summary

Mitochondrial complex I (NADH-ubiquinone reductase; EC 1.6.5.3) is the first multimeric complex of the respiratory chain that catalyzes the NADH oxidation with concomitant ubiquinone reduction and proton ejection out of the mitochondria. Mammalian mitochondrial complex I is an assembly of at least 43 different subunits. Seven of the subunits are encoded by the mitochondrial genome; the remainder are the products of nuclear genes. The iron-sulfur protein (IP) fraction of complex I is made up of 7 subunits, including NDUFS2. See NDUFS1 (MIM 157655).[supplied by OMIM]

Other Designations

NADH dehydrogenase (ubiquinone) Fe-S protein 2|NADH-ubiquinone oxidoreductase Fe-S protein 2|NADH-ubiquinone oxidoreductase NDUFS2 subunit|OTTHUMP00000032241

Publication Reference

- [Compound heterozygosity for severe and hypomorphic NDUFS2 mutations cause non-syndromic LHON-like optic neuropathy.](#)

Gerber S, Ding MG, Gérard X, Zwicker K, Zanlonghi X, Rio M, Serre V, Hanein S, Munnich A, Rotig A, Bianchi L, Amati-Bonneau P, Elpeleg O, Kaplan J, Brandt U, Rozet JM.

Journal of Medical Genetics 2016 Dec; [Epub].

Application: WB, Human, Patient-derived cultured skin fibroblast

Pathway

- [Metabolic pathways](#)
- [Oxidative phosphorylation](#)

Disease

- [Alzheimer disease](#)
- [Birth Weight](#)
- [Cardiovascular Diseases](#)
- [Cognition](#)
- [Diabetes Mellitus](#)
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- [Genetic Predisposition to Disease](#)
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