

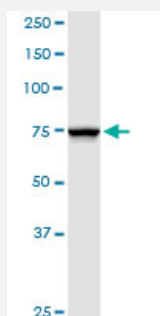
MaxPab®

NDUFS1 MaxPab rabbit polyclonal antibody (D01)

Catalog # H00004719-D01

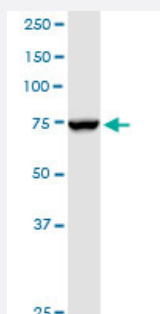
Size 100 uL

Applications



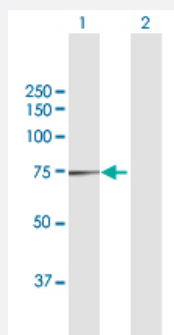
Western Blot (Tissue lysate)

NDUFS1 MaxPab rabbit polyclonal antibody. Western Blot analysis of NDUFS1 expression in human liver.



Western Blot (Cell lysate)

NDUFS1 MaxPab rabbit polyclonal antibody. Western Blot analysis of NDUFS1 expression in HepG2.

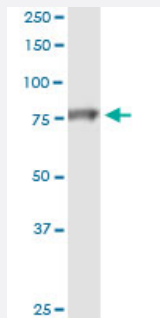


Western Blot (Transfected lysate)

Western Blot analysis of NDUFS1 expression in transfected 293T cell line ([H00004719-T02](#)) by NDUFS1 MaxPab polyclonal antibody.

Lane 1: NDUFS1 transfected lysate(79.5 KDa).

Lane 2: Non-transfected lysate.



Immunoprecipitation

Immunoprecipitation of NDUFS1 transfected lysate using anti-NDUFS1 MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with NDUFS1 purified MaxPab mouse polyclonal antibody (B01P) ([H00004719-B01P](#)).

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human NDUFS1 protein.
Immunogen	NDUFS1 (NP_004997.4, 1 a.a. ~ 727 a.a) full-length human protein.
Sequence	MLRIPVRKALVGLSKSPKGCVRTTATAASNLIIEVFVDGQSVMVEPGTTVLQACEKVGMQIPRCY HERLSVAGNCRMCLVEIEKAPKVVAACAMPVMKGWNILTNSEKSKKAREGVMEFLLANHPLDC PICDQGGECDLQDQSMFNGNDRSRFLEGKRAVEDKNIGPLVKTIMTRCIQCTRCIRFASEIAGVDD LGTTGRGNDMQVGTYIEKMFMSSELSGNIIDICPVGALTSKPYAFTARPWETRKTESIDVMDAVGSNI VVSTRTGEVMRILPRMHEDINEEWISDKTRFAYDGLKRQRLTEPMVRNEKGLLTYTSWEDALSRV AGMLQSFQGKDVAAGGLVDAAEALVALKDLLNRVDSDTLCTEEVFPTAGAGTDLRSNYLLNTTIA GVVEADVLLVGNTNPRFEAPLFNARIRKSWLHNDLKVALIGSPVDLTITYDHLGDSPKILQDIASGS HPFSQVLKEAKKPMVVLGSSALQRNDGAAILAAVSSIAQKIRMTSGVTGDWKVMNHLHRIASQVAA LDLGYKPGVEAIRKNPPKVLFLGADGGCITRQDLPKDCFIYQGHGHDVGAPIADVILPGAAYTEK SATYVNTGRAQQTKVAVTTPGLAREDWKIIRALSEIAGMTLPYDTLDQVRNRLEEVSPLNVRYDDI EGANYFQQANELSKLVNQQLLADPLVPPQLTIKDFYMTDSISRASQTMACVKAVTEGAQAVEEP SIC
Host	Rabbit
Reactivity	Human
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	No additive
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

NDUFS1 MaxPab rabbit polyclonal antibody. Western Blot analysis of NDUFS1 expression in human liver.

[Protocol Download](#)

- Western Blot (Cell lysate)

NDUFS1 MaxPab rabbit polyclonal antibody. Western Blot analysis of NDUFS1 expression in HepG2.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of NDUFS1 expression in transfected 293T cell line ([H00004719-T02](#)) by NDUFS1 MaxPab polyclonal antibody.

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[Protocol Download](#)

- Immunoprecipitation

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[Protocol Download](#)

Gene Info — NDUFS1

Entrez GeneID	4719
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GeneBank Accession#	NM_005006.5
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Protein Accession#	NP_004997.4
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Gene Name	NDUFS1
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Gene Alias	CI-75Kd, MGC26839, PRO1304
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Gene Description	NADH dehydrogenase (ubiquinone) Fe-S protein 1, 75kDa (NADH-coenzyme Q reductase)
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Omim ID	157655 252010
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Gene Ontology	Hyperlink
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Gene Summary

The protein encoded by this gene belongs to the complex I 75 kDa subunit family. Mammalian complex I is composed of 45 different subunits. It locates at the mitochondrial inner membrane. This protein has NADH dehydrogenase activity and oxidoreductase activity. It transfers electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone. This protein is the largest subunit of complex I and it is a component of the iron-sulfur (IP) fragment of the enzyme. It may form part of the active site crevice where NADH is oxidized. Mutations in this gene are associated with complex I deficiency. [provided by RefSeq]

Other Designations

NADH dehydrogenase (ubiquinone) Fe-S protein 1, 75kDa|NADH-coenzyme Q reductase|complex I, mitochondrial respiratory chain, 75-kD subunit

Pathway

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

Disease

- [Alzheimer disease](#)
- [Cognition](#)
- [Genetic Predisposition to Disease](#)
- [Prostatic Neoplasms](#)