



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## NDUFA5 purified MaxPab rabbit polyclonal antibody (D01P) MaxPab®

Catalog # : H00004698-D01P

規格 : [ 100 ug ]

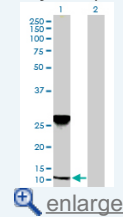
[List All](#)

### Specification

<b>Product Description:</b>	Rabbit polyclonal antibody raised against a full-length human NDUFA5 protein.
<b>Immunogen:</b>	NDUFA5 (NP_004991.1, 1 a.a. ~ 116 a.a) full-length human protein.
<b>Sequence:</b>	MAGVLKKTGLVGLAVCNTPHERLRILYTKILDVLEEIPKNAAYRKYTEQIT NEKLAMVKAEPDVKKLEDQLQGGQLEEIVLQAEHELNLARKMREWKLW EPLVEEPPADQWKWPI
<b>Host:</b>	Rabbit
<b>Reactivity:</b>	Human
<b>Quality Control Testing:</b>	Antibody reactive against mammalian transfected lysate.
<b>Storage Buffer:</b>	In 1x PBS, pH 7.4
<b>Storage Instruction:</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>MSDS:</b>	<a href="#">Download</a>
<b>Datasheet:</b>	<a href="#">Download</a>

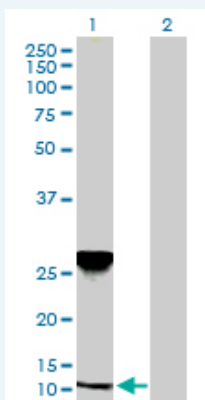
### Application Image

Western Blot (Transfected lysate)



### Applications

#### Western Blot (Transfected lysate)



Western Blot analysis of NDUFA5 expression in transfected 293T cell line ([H00004698-T02](#)) by NDUFA5 MaxPab polyclonal antibody.

Lane 1: NDUFA5 transfected lysate(13.50 KDa).  
Lane 2: Non-transfected lysate.

[Protocol Download](#)

### Gene Information

Entrez GeneID: [4698](#)

**GeneBank** [NM\\_005000.2](#)  
**Accession#:**

**Protein** [NP\\_004991.1](#)  
**Accession#:**

**Gene Name:** NDUFA5

**Gene Alias:** B13,CI-13KD-B,DKFZp781K1356,FLJ12147,NUFM,UQOR13

**Gene** NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 5, 13kDa  
**Description:**

**Omim ID:** [601677](#)

**Gene Ontology:** [Hyperlink](#)

**Gene Summary:** The human NDUFA5 gene codes for the B13 subunit of complex I of the respiratory chain, which transfers electrons from NADH to ubiquinone. The high degree of conservation of NDUFA5 extending to plants and fungi indicates its functional significance in the enzyme complex. The protein localizes to the inner mitochondrial membrane as part of the 7 component-containing, water soluble "iron-sulfur protein" (IP) fraction of complex I, although its specific role is unknown. It is assumed to undergo post-translational removal of the initiator methionine and N-acetylation of the next amino acid. The predicted secondary structure is primarily alpha helix, but the carboxy-terminal half of the protein has high potential to adopt a coiled-coil form. The amino-terminal part contains a putative beta sheet rich in hydrophobic amino acids that may serve as mitochondrial import signal. Related pseudogenes have also been identified on four other chromosomes. [provided by RefSeq]

**Other** Complex I-13KD-B,NADH dehydrogenase (ubiquinone) 1 alpha  
**Designations:** subcomplex, 5,NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 5 (13kD, B13),type I dehydrogenase,ubiquinone reductase

#### Gene Pathway

[Alzheimer's disease](#) [Huntington's disease](#) [Metabolic pathways](#) [Oxidative phosphorylation](#)  
[Parkinson's disease](#)

#### Related Disease

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