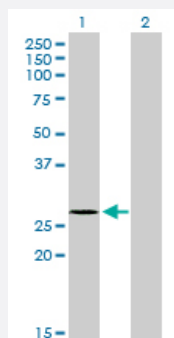


NDUFS3 monoclonal antibody (M02), clone 1D6

Catalog # H00004722-M02

Size 100 ug

Applications

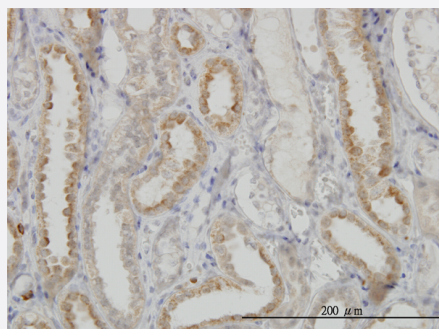


Western Blot (Transfected lysate)

Western Blot analysis of NDUFS3 expression in transfected 293T cell line by NDUFS3 monoclonal antibody (M02), clone 1D6.

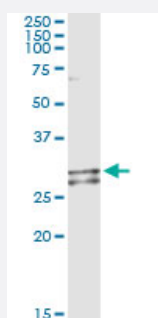
Lane 1: NDUFS3 transfected lysate(30.2 KDa).

Lane 2: Non-transfected lysate.



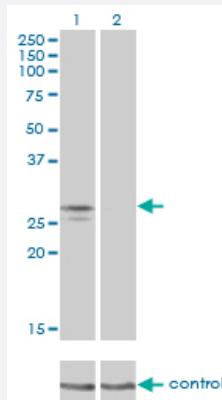
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to NDUFS3 on formalin-fixed paraffin-embedded human kidney. [antibody concentration 3 ug/ml]



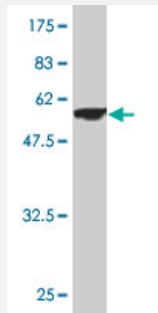
Immunoprecipitation

Immunoprecipitation of NDUFS3 transfected lysate using anti-NDUFS3 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with NDUFS3 MaxPab rabbit polyclonal antibody.



RNAi Knockdown (Antibody validated)

Western blot analysis of NDUFS3 over-expressed 293 cell line, cotransfected with NDUFS3 Validated Chimera RNAi (Cat # H00004722-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with NDUFS3 monoclonal antibody (M02), clone 1D6 (Cat # H00004722-M02). GAPDH (36.1 kDa) used as specificity and loading control.



Western Blot detection against Immunogen (54.56 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant NDUFS3.
Immunogen	NDUFS3 (AAH00617, 1 a.a. ~ 264 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MAAAVARLWWRGILGASALTRGTGRPSVLLLPVRRESAGADTRPTVRPRNDVAHKQLSAFGEY VAEILPKYVQQVQVSCFNELEVCIHPDGVIPVLTFLRDHTNAQFKSLVDLTAVDVPTRQNRFEVYN LLSLRFNSRIRVKTYTDELPIESAVSVFKAANWYEREIWMDFGVFFANHPDLRRILTDYGFEGHPF RKDFPLSGYVELRYDDEVKRVVAEPVELAQEFRKFDLNSPWAEFPVYRQPPESLKLEAGDKKP DAK
Host	Mouse
Reactivity	Human
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (54.56 KDa) .
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 (Transfected lysate)

Western Blot analysis of NDUFS3 expression in transfected 293T cell line by NDUFS3 monoclonal antibody (M02), clone 1D6.

Lane 1: NDUFS3 transfected lysate(30.2 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to NDUFS3 on formalin-fixed paraffin-embedded human kidney. [antibody concentration 3 ug/ml]

[Protocol Download](#)

- Immunoprecipitation

Immunoprecipitation of NDUFS3 transfected lysate using anti-NDUFS3 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with NDUFS3 MaxPab rabbit polyclonal antibody.

[Protocol Download](#)

- ELISA

- RNAi Knockdown (Antibody validated)

Western blot analysis of NDUFS3 over-expressed 293 cell line, cotransfected with NDUFS3 Validated Chimera RNAi (Cat # H00004722-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with NDUFS3 monoclonal antibody (M02), clone 1D6 (Cat # H00004722-M02). GAPDH (36.1 kDa) used as specificity and loading control.

[Protocol Download](#)

Gene Info — NDUFS3

Entrez GeneID	4722
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GeneBank Accession#	BC000617
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Protein Accession#	AAH00617
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Gene Name	NDUFS3
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Gene Alias	-
Gene Description	NADH dehydrogenase (ubiquinone) Fe-S protein 3, 30kDa (NADH-coenzyme Q reductase)
Omim ID	256000 603846
Gene Ontology	Hyperlink
Gene Summary	This gene encodes one of the iron-sulfur protein (IP) components of mitochondrial NADH:ubiquinone oxidoreductase (complex I). Mutations in this gene are associated with Leigh syndrome resulting from mitochondrial complex I deficiency
Other Designations	-

Publication Reference

- [Overexpression of Lon contributes to survival and aggressive phenotype of cancer cells through mitochondrial complex I-mediated generation of reactive oxygen species.](#)

Cheng CW, Kuo CY, Fan CC, Fang WC, Jiang SS, Lo YK, Wang TY, Kao MC, Lee AY.

Cell Death & Disease 2014 Jun; 4:e681.

Application: WB-Tr, Human, 293T, OEC-M1, FADU cells

Pathway

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

Disease

- [Alzheimer disease](#)
- [Cognition](#)