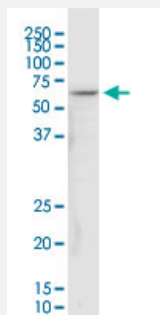


NDUFV1 monoclonal antibody (M01), clone 4A7

Catalog # H00004723-M01

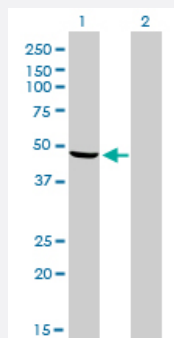
Size 100 ug

Applications



Western Blot (Cell lysate)

NDUFV1 monoclonal antibody (M01), clone 4A7. Western Blot analysis of NDUFV1 expression in PC-12.

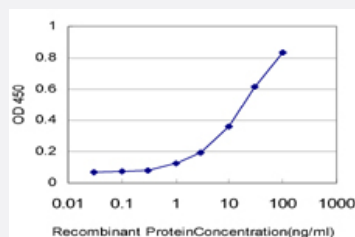


Western Blot (Transfected lysate)

Western Blot analysis of NDUFV1 expression in transfected 293T cell line by NDUFV1 monoclonal antibody (M01), clone 4A7.

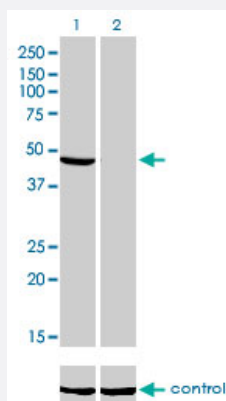
Lane 1: NDUFV1 transfected lysate(50.8 KDa).

Lane 2: Non-transfected lysate.



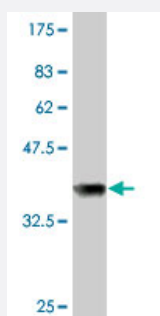
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged NDUFV1 is approximately 1ng/ml as a capture antibody.



RNAi Knockdown (Antibody validated)

Western blot analysis of NDUFV1 over-expressed 293 cell line, cotransfected with NDUFV1 Validated Chimera RNAi (Cat # H00004723-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with NDUFV1 monoclonal antibody (M01), clone 4A7 (Cat # H00004723-M01). GAPDH (36.1 kDa) used as specificity and loading control.



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant NDUFV1.
Immunogen	NDUFV1 (NP_002466, 365 a.a. ~ 464 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	KAIARLIEFYKHESCGQCTPCREGVDWMNKVMARFVRGDARPAEIDSLWEISKQIEGHTICALGDGAAWPVQGLIRHFRPELEERMQRFAQQHQARQAAS
Host	Mouse
Reactivity	Human, Rat
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 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 (Cell lysate)

NDUFV1 monoclonal antibody (M01), clone 4A7. Western Blot analysis of NDUFV1 expression in PC-12.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of NDUFV1 expression in transfected 293T cell line by NDUFV1 monoclonal antibody (M01), clone 4A7.

Lane 1: NDUFV1 transfected lysate(50.8 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged NDUFV1 is approximately 1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- RNAi Knockdown (Antibody validated)

Western blot analysis of NDUFV1 over-expressed 293 cell line, cotransfected with NDUFV1 Validated Chimera RNAi (Cat # H00004723-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with NDUFV1 monoclonal antibody (M01), clone 4A7 (Cat # H00004723-M01). GAPDH (36.1 kDa) used as specificity and loading control.

[Protocol Download](#)

Gene Info — NDUFV1

Entrez GeneID	4723
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GeneBank Accession#	NM_007103
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Protein Accession#	NP_002466
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Gene Name	NDUFV1
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Gene Alias	CI-51kD, UQOR1
Gene Description	NADH dehydrogenase (ubiquinone) flavoprotein 1, 51kDa
Omim ID	161015 203450 252010 256000
Gene Ontology	Hyperlink
Gene Summary	The NDUFV1 gene encodes the 51-kD subunit of complex I (NADH:ubiquinone oxidoreductase) of the mitochondrial respiratory chain.[supplied by OMIM]
Other Designations	Complex I-51kD NADH dehydrogenase (ubiquinone) flavoprotein 1 (51kD) NADH-ubiquinone oxidoreductase 51 kDa subunit

Publication Reference

- [Human Ind1, an iron-sulfur cluster assembly factor for respiratory complex I.](#)

Sheftel AD, Stehling O, Pierik AJ, Netz DJ, Kerscher S, Elsasser HP, Wittig I, Balk J, Brandt U, Lill R.

Molecular and Cellular Biology 2009 Nov; 29(22):6059.

Application: WB-Tr, Human, HeLa cells

Pathway

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

Disease

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