

**NDUFV1 Antibody (monoclonal) (M01)****Mouse monoclonal antibody raised against a partial recombinant NDUFV1.****Catalog # AT3008a****Specification**

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**NDUFV1 Antibody (monoclonal) (M01) - Product Information**

|                   |                           |
|-------------------|---------------------------|
| Application       | WB, E                     |
| Primary Accession | <a href="#">P49821</a>    |
| Other Accession   | <a href="#">NM_007103</a> |
| Reactivity        | Human, Rat                |
| Host              | mouse                     |
| Clonality         | Monoclonal                |
| Isotype           | IgG2b Kappa               |
| Calculated MW     | 50817                     |

**NDUFV1 Antibody (monoclonal) (M01) - Additional Information****Gene ID** 4723**Other Names**

NADH dehydrogenase [ubiquinone] flavoprotein 1, mitochondrial, Complex I-51kD, CI-51kD, NADH dehydrogenase flavoprotein 1, NADH-ubiquinone oxidoreductase 51 kDa subunit, NDUFV1, UQOR1

**Target/Specificity**

NDUFV1 (NP\_002466, 365 a.a. ~ 464 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Dilution**

WB~~1:500~1000

**Format**

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

**Storage**

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Precautions**

NDUFV1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

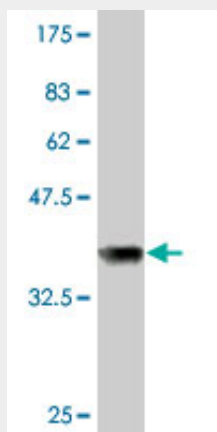
**NDUFV1 Antibody (monoclonal) (M01) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

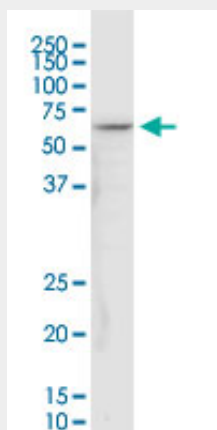
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

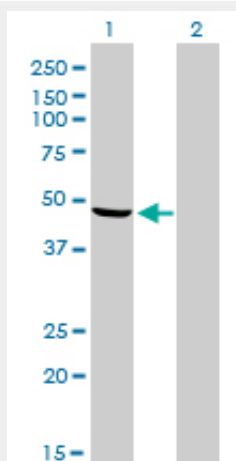
### NDUFV1 Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 kDa) .



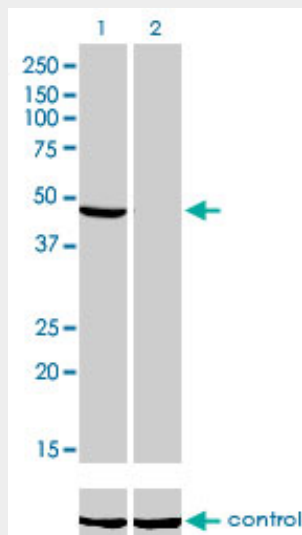
NDUFV1 monoclonal antibody (M01), clone 4A7. Western Blot analysis of NDUFV1 expression in PC-12.



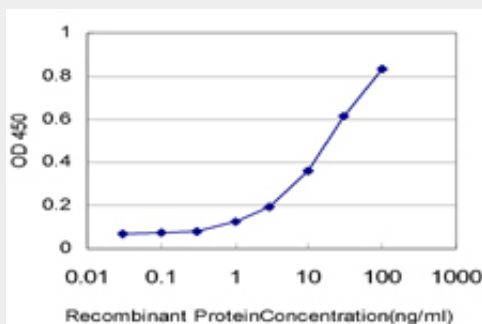
Western Blot analysis of NDUFV1 expression in transfected 293T cell line by NDUFV1 monoclonal antibody (M01), clone 4A7.

Lane 1: NDUFV1 transfected lysate(50.8 KDa).

Lane 2: Non-transfected lysate.



Western blot analysis of NDUFV1 over-expressed 293 cell line, cotransfected with NDUFV1 Validated Chimera RNAi (Cat # AT3008a)



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

### NDUFV1 Antibody (monoclonal) (M01) - Background

The NDUFV1 gene encodes the 51-kD subunit of complex I (NADH:ubiquinone oxidoreductase) of the mitochondrial respiratory chain.[supplied by OMIM]

### NDUFV1 Antibody (monoclonal) (M01) - References

1.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.Mol Cell Biol. 2009 Sep 14. [Epub ahead of print]