10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

NDUFV1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant NDUFV1.
Catalog # AT3008a

Product Information

Application	WB, E
Primary Accession	P49821
Other Accession	NM_007103
Reactivity	Human, Rat
Host	mouse
Clonality	monoclonal
Isotype	IgG2b Kappa
Clone Names	4A7
Calculated MW	50817

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 E~~N/A
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.

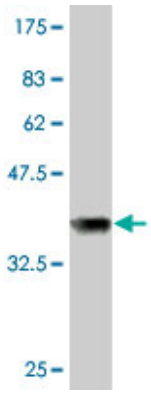
Background

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

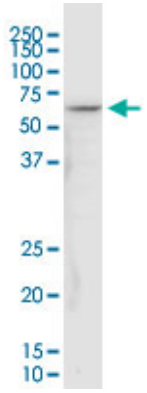
References

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]

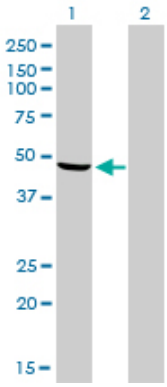
Images



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

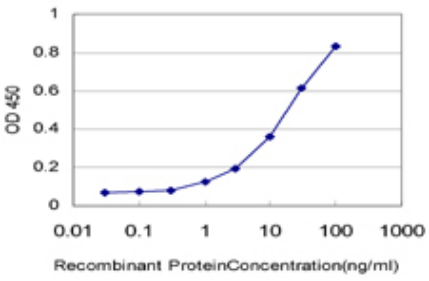


NDUFV1 monoclonal antibody (M01), clone 4A7. Western Blot analysis of NDUFV1 expression in PC-12.



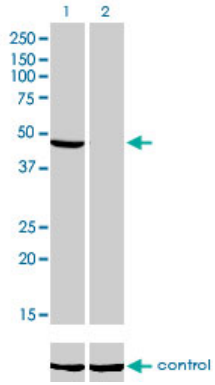
Western Blot analysis of NDUFV1 expression in transfected 293T cell line by NDUFV1 monoclonal antibody (M01), clone 4A7.

Lane 1: NDUFV1 transfected lysate(50.8 KDa).
Lane 2: Non-transfected lysate.



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

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



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.