

NDUFS3 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a full length recombinant NDUFS3.

Catalog # AT3006a

Specification

NDUFS3 Antibody (monoclonal) (M02) - Product Information

Application	WB, IHC, IP
Primary Accession	O75489
Other Accession	BC000617
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b Kappa
Calculated MW	30242

NDUFS3 Antibody (monoclonal) (M02) - Additional Information

Gene ID 4722

Other Names

NADH dehydrogenase [ubiquinone] iron-sulfur protein 3, mitochondrial, Complex I-30kD, CI-30kD, NADH-ubiquinone oxidoreductase 30 kDa subunit, NDUFS3

Target/Specificity

NDUFS3 (AAH00617, 1 a.a. ~ 264 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

IHC~~1:100~500

IP~~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

NDUFS3 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

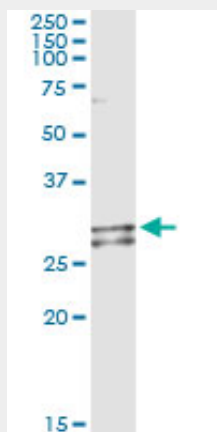
NDUFS3 Antibody (monoclonal) (M02) - Protocols

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

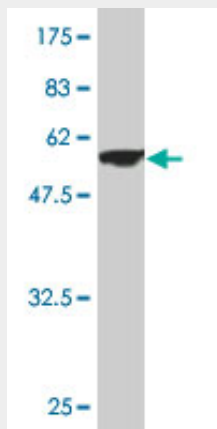
- [Western Blot](#)

- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

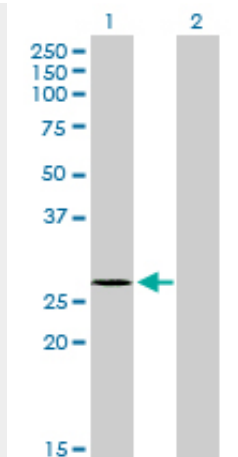
NDUFS3 Antibody (monoclonal) (M02) - Images



Immunoprecipitation of NDUFS3 transfected lysate using anti-NDUFS3 monoclonal antibody and Protein A Magnetic Bead ([U0007](#)), and immunoblotted with NDUFS3 MaxPab rabbit polyclonal antibody.



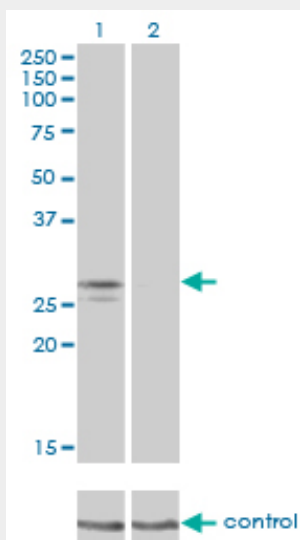
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (54.56 kDa) .



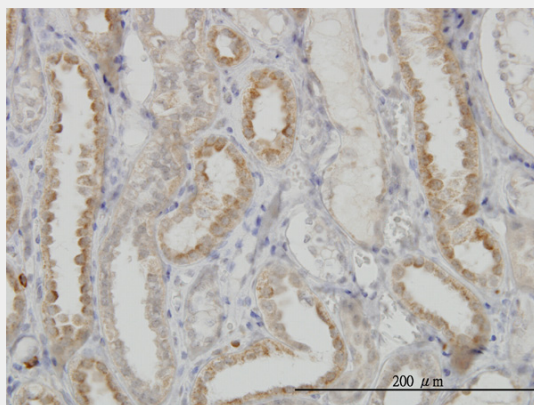
Western Blot analysis of NDUF3 expression in transfected 293T cell line by NDUF3 monoclonal antibody (M02), clone 1D6.

Lane 1: NDUF3 transfected lysate(30.2 KDa).

Lane 2: Non-transfected lysate.



Western blot analysis of NDUF3 over-expressed 293 cell line, cotransfected with NDUF3 Validated Chimera RNAi (Cat # AT3006a)



Immunoperoxidase of monoclonal antibody to NDUF3 on formalin-fixed paraffin-embedded

human kidney. [antibody concentration 3 ug/ml]

NDUFS3 Antibody (monoclonal) (M02) - Background

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.

NDUFS3 Antibody (monoclonal) (M02) - References

1. 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 Dis.* 2013 Jun 20;4:e681. doi: 10.1038/cddis.2013.204.