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

NDUFS3 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a full length recombinant NDUFS3.
Catalog # AT3006a

Specification

NDUFS3 Antibody (monoclonal) (M02) - Product Information

Application	**IP, WB, IHC**
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

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.

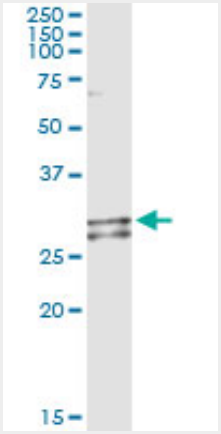
NDUFS3 Antibody (monoclonal) (M02) - Protocols

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

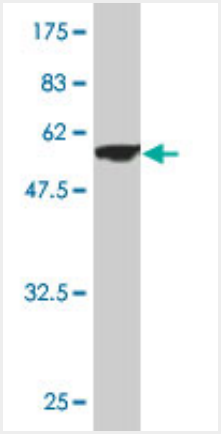
- Western Blot
- Blocking Peptides
- Dot Blot

- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

NDUFS3 Antibody (monoclonal) (M02) - Images

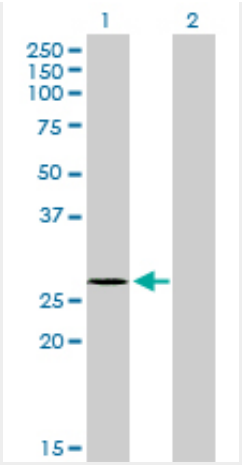


Immunoprecipitation of NDUFS3 transfected lysate using anti-NDUFS3 monoclonal antibody and Protein A Magnetic Bead (U0007), and immunoblotted with NDUFS3 MaxPab rabbit polyclonal antibody.



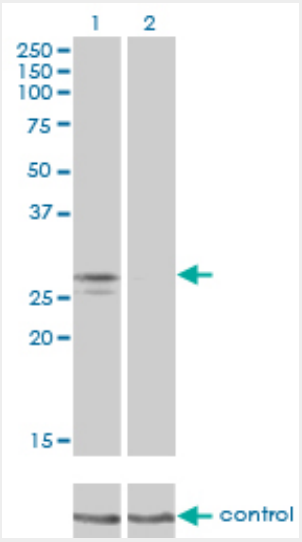
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (54.56 KDa) .

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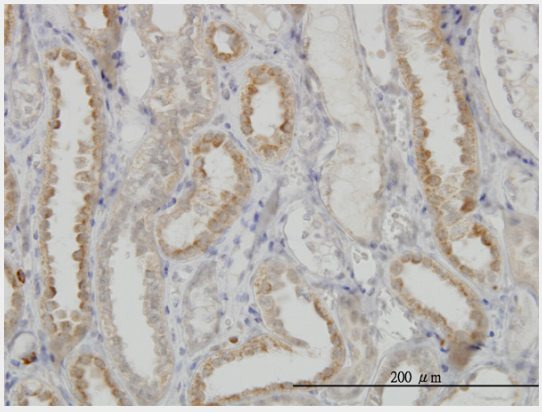


Western Blot analysis of NDUFS3 expression in transfected 293T cell line by NDUFS3 monoclonal antibody (M02), clone 1D6.

Lane 1: NDUFS3 transfected lysate(30.2 KDa).
Lane 2: Non-transfected lysate.



Western blot analysis of NDUFS3 over-expressed 293 cell line, cotransfected with NDUFS3 Validated Chimera RNAi ((Cat # AT3006a)



Immunoperoxidase of monoclonal antibody to NDUFS3 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 AYCell Death Dis. 2013 Jun 20;4:e681. doi: 10.1038/cddis.2013.204.