

NDOR1 Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a partial recombinant NDOR1.****Catalog # AT2990a****Specification**

NDOR1 Antibody (monoclonal) (M01) - Product Information

Application	WB, E
Primary Accession	O9UHB4
Other Accession	NM_014434
Reactivity	Human, Mouse
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	66763

NDOR1 Antibody (monoclonal) (M01) - Additional Information**Gene ID** 27158**Other Names**

NADPH-dependent diflavin oxidoreductase 1 {ECO:0000255|HAMAP-Rule:MF_03178}, 16--
{ECO:0000255|HAMAP-Rule:MF_03178}, NADPH-dependent FMN and FAD-containing
oxidoreductase {ECO:0000255|HAMAP-Rule:MF_03178}, Novel reductase 1, NDOR1
{ECO:0000255|HAMAP-Rule:MF_03178}, NR1

Target/Specificity

NDOR1 (NP_055249, 498 a.a. ~ 595 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

NDOR1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

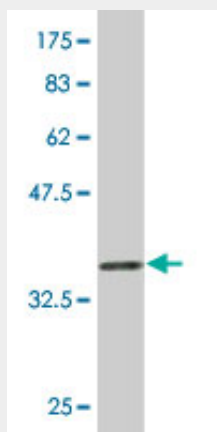
NDOR1 Antibody (monoclonal) (M01) - Protocols

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

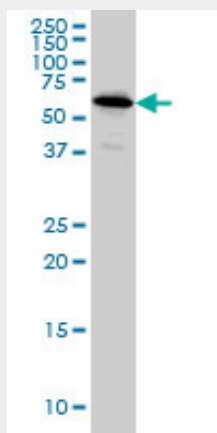
- [Western Blot](#)

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

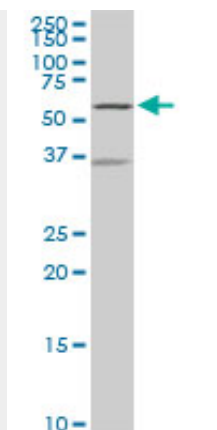
NDOR1 Antibody (monoclonal) (M01) - Images



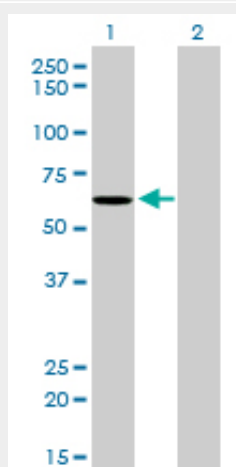
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.52 KDa) .



NDOR1 monoclonal antibody (M01), clone 3A11 Western Blot analysis of NDOR1 expression in HeLa ((Cat # AT2990a)



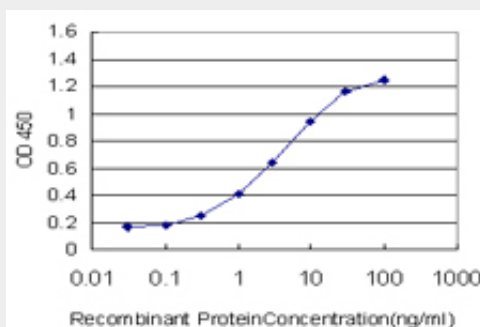
NDOR1 monoclonal antibody (M01), clone 3A11. Western Blot analysis of NDOR1 expression in NIH/3T3((Cat # AT2990a)



Western Blot analysis of NDOR1 expression in transfected 293T cell line by NDOR1 monoclonal antibody (M01), clone 3A11.

Lane 1: NDOR1 transfected lysate(66.8 KDa).

Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged NDOR1 is approximately 0.1ng/ml as a capture antibody.

NDOR1 Antibody (monoclonal) (M01) - Background

This gene encodes an NADPH-dependent diflavin reductase that contains both flavin mononucleotide (FMN) and flavin adenine dinucleotide (FAD) binding domains. The encoded protein is an enzyme that catalyzes the transfers electrons from NADPH through FAD and FMN cofactors to

potential redox partners. Alternative splicing results in multiple transcript variants.

NDOR1 Antibody (monoclonal) (M01) - References

1. Diflavin Oxidoreductases Activate the Bioreductive Prodrug PR-104A under Hypoxia. Guise CP, Abbattista MR, Tipparaju SR, Lambie NK, Su J, Li D, Wilson WR, Dachs GU, Patterson AV. Mol Pharmacol. 2012 Jan;81(1):31-40. Epub 2011 Oct 7.