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NDOR1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant NDOR1.
Catalog # AT2990a

Product Information

Application	WB, E
Primary Accession	Q9UHB4
Other Accession	NM_014434
Reactivity	Human, Mouse
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	3A11
Calculated MW	66763

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

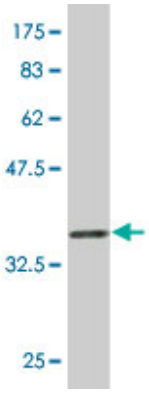
Background

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.

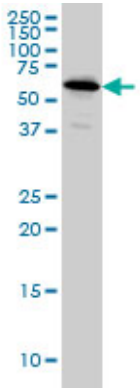
References

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.

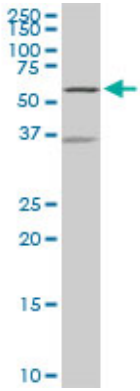
Images



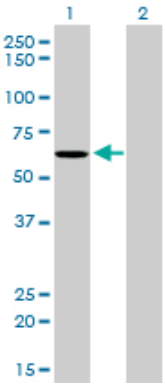
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.52 KDa) .



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



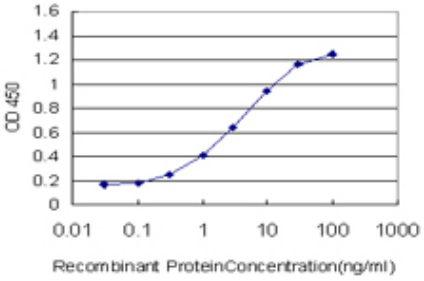
NDOR1 monoclonal antibody (M01), clone 3A11. Western Blot analysis of NDOR1 expression in NIH/3T3((Cat # AT2990a)



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.