

## Product datasheet for **CF505579**

### NDOR1 Mouse Monoclonal Antibody [Clone ID: OTI2G4]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2G4
Applications:	IF, IHC, WB
Recommended Dilution:	WB 1:200 - 1:500, IHC 1:150, IF 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human NDOR1(NP_055249) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	66.6 kDa
Gene Name:	NADPH dependent diflavin oxidoreductase 1
Database Link:	<a href="#">NP_055249</a> <a href="#">Entrez Gene 27158 Human</a> <a href="#">Q9UHB4</a>



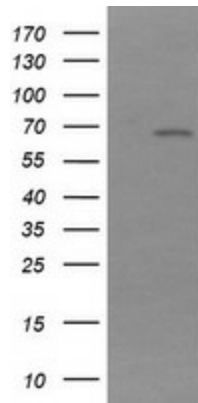
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**Background:**

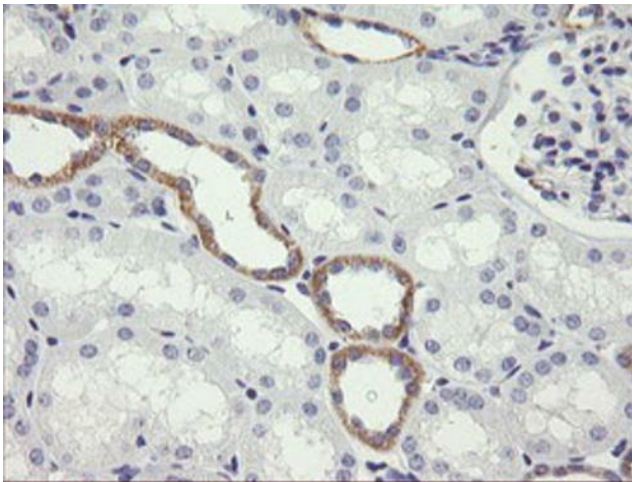
This gene encodes an NADPH-dependent diflavin reductase that contains both flavin mononucleotide (FMN) and flavin adenine dinucleotide (FAD) binding domains. The encoded protein catalyzes the transfer of electrons from NADPH through FAD and FMN cofactors to potential redox partners. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2012]

**Synonyms:**

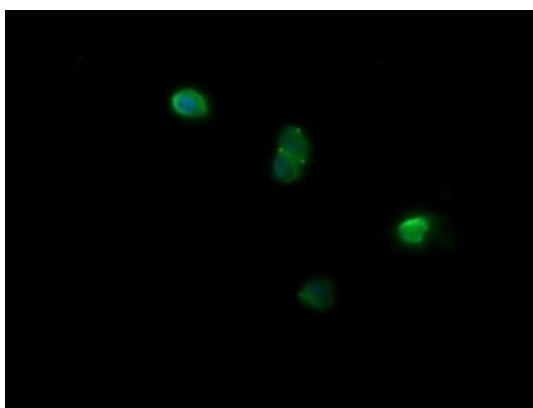
bA350O14.9; NR1

**Product images:**

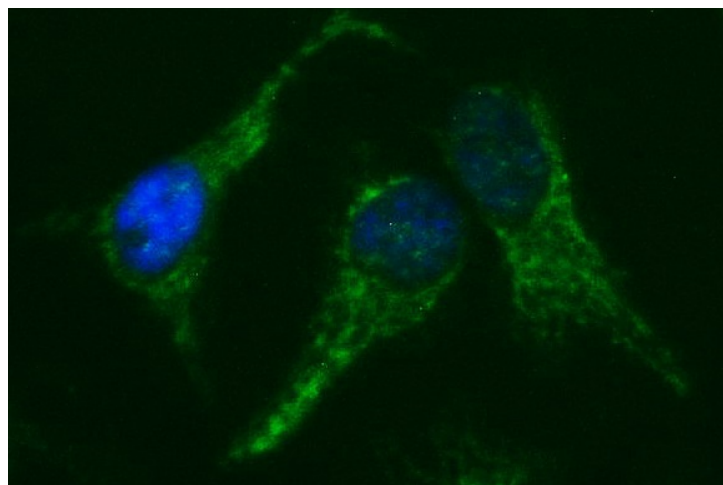
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY NDOR1 ([RC204845], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-NDOR1. Positive lysates [LY415283] (100ug) and [LC415283] (20ug) can be purchased separately from OriGene.



Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-NDOR1 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Anti-NDOR1 mouse monoclonal antibody ([TA505579]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY NDOR1 ([RC204845]).



Immunofluorescent staining of HeLa cells using anti-NDOR1 mouse monoclonal antibody ([TA505579]) at 1:100 dilution.