

NDUFB11 Antibody (monoclonal) (M12)

Mouse monoclonal antibody raised against a full length recombinant NDUFB11.

Catalog # AT3002a

Specification

NDUFB11 Antibody (monoclonal) (M12) - Product Information

Application	WB, E
Primary Accession	O9NX14
Other Accession	BC010665
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2b Kappa
Calculated MW	17317

NDUFB11 Antibody (monoclonal) (M12) - Additional Information

Gene ID 54539

Other Names

NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 11, mitochondrial, Complex I-ESSS, CI-ESSS, NADH-ubiquinone oxidoreductase ESSS subunit, Neuronal protein 173, Np173, p173, NDUFB11

Target/Specificity

NDUFB11 (AAH10665, 1 a.a. ~ 153 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

NDUFB11 Antibody (monoclonal) (M12) is for research use only and not for use in diagnostic or therapeutic procedures.

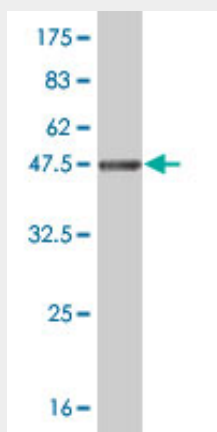
NDUFB11 Antibody (monoclonal) (M12) - Protocols

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

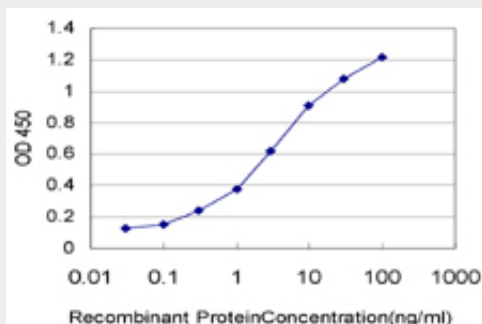
- [Western Blot](#)
- [Blocking Peptides](#)

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

NDUFB11 Antibody (monoclonal) (M12) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (42.57 KDa) .



Detection limit for recombinant GST tagged NDUFB11 is approximately 0.03ng/ml as a capture antibody.

NDUFB11 Antibody (monoclonal) (M12) - Background

NDUFB11 is a component of mitochondrial complex I. Complex I catalyzes the first step in the electron transport chain, the transfer of 2 electrons from NADH to ubiquinone, coupled to the translocation of 4 protons across the membrane (Carroll et al., 2002 [PubMed 12381726]).

NDUFB11 Antibody (monoclonal) (M12) - References

The NDUFB11 gene is not a modifier in Leber hereditary optic neuropathy. Petruzzella V, et al. Biochem Biophys Res Commun, 2007 Mar 30. PMID 17292333. The DNA sequence of the human X chromosome. Ross MT, et al. Nature, 2005 Mar 17. PMID 15772651. The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334. Complete sequencing and characterization of 21,243 full-length human cDNAs. Ota T, et al. Nat Genet, 2004 Jan. PMID 14702039. The secreted protein discovery initiative (SPDI), a large-scale effort to identify novel human secreted and transmembrane proteins: a bioinformatics assessment. Clark HF, et al. Genome Res, 2003 Oct. PMID 12975309.