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

NDUFB11 Antibody (monoclonal) (M08)

Mouse monoclonal antibody raised against a full length recombinant NDUFB11.
Catalog # AT3001a

Product Information

Application	WB, E
Primary Accession	Q9NX14
Other Accession	BC010665
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2b Kappa
Clone Names	4B2
Calculated MW	17317

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 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	NDUFB11 Antibody (monoclonal) (M08) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

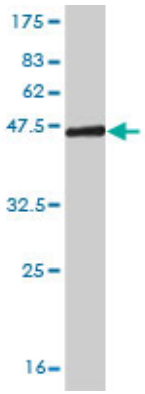
NDUFB11 is a component of mitochondrial complex I. Complex I catalyzes the first step in the electron transport chain, the transfer of 2 electrons from NADH to ubiquinone, coupled to the translocation of 4 protons across the membrane (Carroll et al., 2002 [PubMed 12381726]).

References

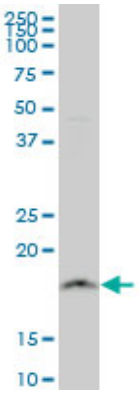
The NDUFB11 gene is not a modifier in Leber hereditary optic neuropathy. Petruzzella V, et al. Biochem Biophys Res Commun, 2007 Mar 30. PMID 17292333.The DNA sequence of the human X chromosome. Ross

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.

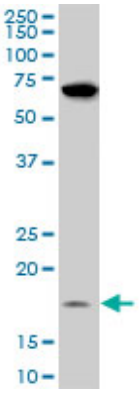
Images



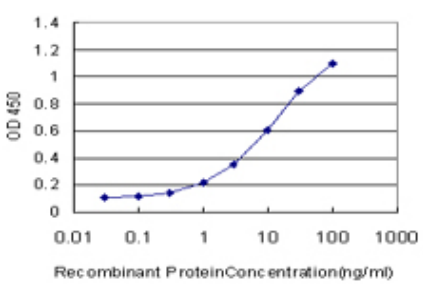
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (42.57 KDa) .



NDUFB11 monoclonal antibody (M08), clone 4B2 Western Blot analysis of NDUFB11 expression in HepG2 ((Cat # AT3001a)



NDUFB11 monoclonal antibody (M08), clone 4B2. Western Blot analysis of NDUFB11 expression in A-431 ((Cat # AT3001a)



Detection limit for recombinant GST tagged NDUFB11 is approximately 0.1ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.