

NDUFB11 Rabbit pAb

Catalog # AP99660

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q9NX14
Other Accession	Q9NX14
Host	Rabbit
Clonality	Polyclonal
Calculated MW	17317
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human NDUFB11
Epitope Specificity	71-153/153
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the complex I NDUFB11 subunit family.
SUBUNIT	Complex I is composed of 45 different subunits.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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]).[supplied by OMIM, Feb 2009]

Additional Information

Gene ID	54539
Other Names	CI-ESSS; ESSH; MC1DN30; NP17.3; Np15; P17.3; D5Bwg0566e; D5Bwg0577e; NP15.6; p15.6; RGD1563698; NDUBB_HUMAN; NDUFB11; Complex I-ESSS (CI-ESSS); NADH-ubiquinone oxidoreductase ESSH subunit; Neuronal protein 17.3 (Np17.3 p17.3); NDUBB_MOUSE; Neuronal protein 15.6 (Np15.6 p15.6); NADH:ubiquinone oxidoreductase subunit B11; NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 11, 17.3kDa; complex I NP17.3 subunit
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	NDUFB11
Function	Accessory subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I), that is believed not to be involved in catalysis. Complex I functions in the transfer of electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone.
Cellular Location	Mitochondrion inner membrane; Single-pass membrane protein. Note=The interaction with BCAP31 mediates mitochondria localization.
Tissue Location	Ubiquitous.

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