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NDUFB11 Rabbit pAb

Catalog # AP99660

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q9NX14
Other Accession	Q9NX14
Predicted	Rat, Pig, Human, Mouse, Rabbit, Dog, Horse, Sheep
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; ESSS; MC1DN30; NP17.3; Np15; P17.3; D5Bwg0566e; D5Bwg0577e; NP15.6; p15.6; RGD1563698; NDUBB_HUMAN; NDUFB11; Complex I-ESSS (CI-ESSS); NADH-ubiquinone oxidoreductase ESSS 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'.