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Rabbit Anti-NDUFB11/AF350 Conjugated antibody

SL19081R-AF350

Product Name	Anti-NDUFB11/AF350
Chinese Name	AF350 标记的 NDUFB11 蛋白抗体
Alias	CI ESSS; Complex I ESSS; complex I NP17.3 subunit; ESSS; FLJ20494; MGC111182; NADH dehydrogenase (ubiquinone) 1 beta subcomplex 11 17.3kDa; NADH dehydrogenase (ubiquinone) 1 beta subcomplex 11; NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 11; NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 11 mitochondrial; NADH ubiquinone oxidoreductase ESSS subunit; NDUFB 11; NDUBB_HUMAN; Neuronal protein 17.3; Np15; NP17.3; P17.3.
Research Area	Cell biology immunology Signal transduction The new supersedes the old
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted:Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep)
Applications	ICC/IF=1:50-200,IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	14kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human NDUFB11
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Product Detail	**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]).[supplied by OMIM, Feb 2009]

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.

Subunit:
Complex I is composed of 45 different subunits.

Subcellular Location:
Mitochondrion inner membrane.

Tissue Specificity:
Ubiquitous.

Similarity:
Belongs to the complex I NDUFB11 subunit family.

Database links:

Entrez Gene: 54539 Human

Entrez Gene: 104130 Mouse

Entrez Gene: 299310 Rat

Omim: 300403 Human

SwissProt: Q9NX14 Human

SwissProt: O09111 Mouse

Unigene: 521969 Human

Unigene: 30084 Mouse

Unigene: 3377 Rat

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This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.