

Rabbit NDUFS7 Polyclonal Antibody | anti-NDUFS7 antibody

NDUFS7 Antibody (Center)

CATALOG # AAA284946	HOST Rabbit	REACTIVITY Human, mouse (Predicted Reactivity: Bovine)	APPLICATIONS ELISA, Western Blot
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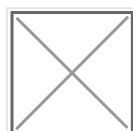
PRODUCT SYNONYMS

NDUFS7; Polyclonal Antibody; NDUFS7 Antibody (Center); NADH dehydrogenase [ubiquinone] iron-sulfur protein 7; mitochondrial; Complex I-20kD; CI-20kD; NADH-ubiquinone oxidoreductase 20 kDa subunit; PSST subunit; anti-NDUFS7 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Bovine)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This NDUFS7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 119-146 amino acids from the Central region of human NDUFS7.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Sequence Positions	119-146
Sequence Length	206
Applicable Applications for anti-NDUFS7 antibody	ELISA, WB (Western Blot)
Calculated MW	23564
Function	Core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) that is believed to belong to the minimal assembly required for 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 (By similarity).
Cellular Location	Mitochondrion.
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

NDUFS7 Antibody (Center) western blot analysis in Hela cell line and mouse cerebellum, heart tissue lysates (35ug/lane). This demonstrates the NDUFS7 antibody detected the NDUFS7 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-NDUFS7 antibody	Core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) that is believed to belong to the minimal assembly required for 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 (By similarity).
Product Categories/Family for anti-NDUFS7 antibody	Crown Antibodies; Metabolism; Neuroscience; Signal Transduction
References	Hyslop S.J., et al. Genomics 37:375-380(1996). Grimwood J., et al. Nature 428:529-535(2004). Murray J., et al. J. Biol. Chem. 278:13619-13622(2003). Burkard T.R., et al. BMC Syst. Biol. 5:17-17(2011). Triepels R.H., et al. Ann. Neurol. 45:787-790(1999).

NCBI AND UNIPROT INFORMATION

NCBI GI #	187281616
NCBI GeneID	374291
NCBI Accession #	NP_077718.3
NCBI GenBank Nucleotide #	NM_024407.4
UniProt Accession #	O75251; Q2T9H7; Q9BV17; B3KRI2
NCBI Official Full Name	NADH dehydrogenase
NCBI Official Synonym Full Names	NADH dehydrogenase (ubiquinone) Fe-S protein 7, 20kDa (NADH-coenzyme Q reductase)
NCBI Official Symbol	NDUFS7
NCBI Official Synonym Symbols	PSST; CI-20; MY017; CI-20KD
NCBI Protein Information	NADH dehydrogenase [ubiquinone] iron-sulfur protein 7, mitochondrial
UniProt Protein Name	NADH dehydrogenase [ubiquinone] iron-sulfur protein 7, mitochondrial
UniProt Gene Name	NDUFS7
UniProt Synonym Gene Names	CI-20kD
UniProt Entry Name	NDUS7_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.