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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Product Number	ARP56609_P050-Biotin
Product Page	www.avivasysbio.com/ndufs1-antibody-middle-region-biotin-arp56609-p050-biotin.html
Name	NDUFS1 Antibody - middle region : Biotin (ARP56609_P050-Biotin)
Protein Size (# AA)	727 amino acids
Molecular Weight	77kDa
Subunit	mitochondrial
Conjugation	Biotin
NCBI Gene Id	4719
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	NADH dehydrogenase (ubiquinone) Fe-S protein 1, 75kDa (NADH-coenzyme Q reductase)
Alias Symbols	CI-75k, MC1DN5, CI-75Kd, PRO1304
Peptide Sequence	Synthetic peptide located within the following region: TPPGLAREDWKIIRALSEIAGMTLPYDITLDQVRNRLEEVSPLVRYDDIE
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Description of Target	The protein encoded by this gene belongs to the complex I 75 kDa subunit family. Mammalian complex I is composed of 45 different subunits. It locates at the mitochondrial inner membrane. This protein has NADH dehydrogenase activity and oxidoreductase activity. It transfers electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone. This protein is the largest subunit of complex I and it is a component of the iron-sulfur (IP) fragment of the enzyme. It may form part of the active site crevice where NADH is oxidized. Mutations in this gene are associated with complex I deficiency.
Protein Interactions	SUMO2; HSFY1; UBC; MDM2; RNF2; KDM1A; FBXO6; VCAM1; BTK; Htt; NDUFS7; RHOT2; NDUFA12; TMEM126B; MRPL13; STX12; SEC24C; SDHB; RPL27; RAB5B; OPA1; NDUFV3; NDUFV2; NDUFS8; NDUFV1; NDUFS2; NDUFB10; NDUFB9; NDUFB5; NDUFA9; CPT1A; ATP5C1; ATP5B; CUL3; SIRT7; MY
Reconstitution and Storage	All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.
Datasheets/Manuals	Printable datasheet for anti-NDUFS1 (ARP56609_P050-Biotin) antibody
Blocking Peptide	For anti-NDUFS1 (ARP56609_P050-Biotin) antibody is Catalog # AAP56609 (Previous Catalog # AAPP39316)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human NDUFS1
Uniprot ID	P28331
Protein Name	NADH-ubiquinone oxidoreductase 75 kDa subunit, mitochondrial
Protein Accession #	NP_004997
Purification	Affinity Purified
Nucleotide Accession #	NM_005006
Gene Symbol	NDUFS1
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Goat, Guinea Pig, Horse, Rabbit, Zebrafish
Application	WB

Predicted Homology Based on Immunogen Sequence	Cow: 100%; Dog: 93%; Goat: 100%; Guinea Pig: 93%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 79%
Image 1	

AVIVA SYSTEMS BIOLOGY manufactures and sells quality antibody products covering genome wide proteins.

This product is for Research Use Only. Not for diagnostic, human, or veterinary use.

Optimal conditions of its use should be determined by end users.

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