

Rabbit anti-Human NDUFB5 Polyclonal Antibody | anti-NDUFB5 antibody

Anti-NDUFB5 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA256574	Rabbit	Human	Immunofluorescence, Immunocytochemistry, Immunohistochemistry

PRODUCT SYNONYMS

NDUFB5; Polyclonal Antibody; Anti-NDUFB5 Antibody; Rabbit Polyclonal; NDUFB5 Antibody; Rabbit PAb; Antigen Affinity Purified; NADH dehydrogenase (ubiquinone) 1 beta subcomplex; 5; 16kDa; Anti-CISGDH Antibody; Anti-SGDH Antibody; anti-NDUFB5 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human NDUFB5
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-NDUFB5 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry)
Immunogen	E Coli-derived Human NDUFB5 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human NDUFB5 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of NDUFB5 in U2OS cells. Cells were fixed with 4% PFA, permeabilized with 0.1% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human NDUFB5 polyclonal antibody (dilution ratio 1:200) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to Nucleus and Cytoplasm.



IHC (Immunohistochemistry)

Immunochemical staining of human NDUFB5 in cynomolgus heart with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human NDUF5 in human kidney with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-NDUF5 antibody	NDUF5 (NADH: Ubiquinone Oxidoreductase Subunit B5) is a Protein Coding gene. The NDUF5 gene, located on 3q26.33, is conserved in chimpanzee, Rhesus monkey, dog, cow, mouse, and rat, etc. NDUF5 belongs to the complex I NDUF5 subunit family. The protein encoded by this gene is a subunit of the multisubunit NADH: ubiquinone oxidoreductase (complex I). 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. Three transcript variants encoding different isoforms have been found for this gene. Diseases associated with NDUF5 include Night Blindness, Congenital Stationary, Type 1A. Among its related pathways are GABAergic synapse and Respiratory electron transport, ATP synthesis by chemiosmotic coupling, and heat production by uncoupling proteins.
References	Ton C, et al. (1997) Identification and primary structure of five human nadh-ubiquinone oxidoreductase subunits. Biochem Biophys Res Commun 241 (2): 589-594.Stroud DA, et al. (2016) Accessory subunits are integral for assembly and function of human mitochondrial complex i. Nature 538 (7623): 123-126.Martins-de-Souza D, et al. (2009) Alterations in oligodendrocyte proteins, calcium homeostasis and new potential markers in schizophrenia anterior temporal lobe are revealed by shotgun proteome analysis. J Neural Transm (Vienna) 116 (3): 275-289.

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/nduf5-antibody-immunofluorescence-immunocytochemistry-immunohistochemistry-elisa/256574>