

Rabbit NDUFAF1 Polyclonal Antibody | anti-NDUFAF1 antibody

Anti-NDUFAF1 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19616	Rabbit	Human, Mouse, Rat	ELISA, Immunofluorescence, Immunohistochemistry, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

NDUFAF1; Polyclonal Antibody; Anti-NDUFAF1 Antibody Picoband; anti-NDUFAF1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-NDUFAF1 antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), ICC (Immunocytochemistry), WB (Western Blot)
Application Notes	WB: 0.1-0.25 ug/ml, Human, Mouse, Rat IHC-P: 2-5 ug/ml, Human, Mouse, Rat ICC/IF: 5 ug/ml, Human Direct ELISA: 0.1-0.5 ug/ml, Human Tested Species: In-house tested species with positive results. Enhanced Chemiluminescent Kit with anti-Rabbit IgG for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit for IHC(P) and ICC.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human NDUFAF1 recombinant protein (Position: D79-K327).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.

IMAGES



IF (Immunofluorescence)

Figure 10. IF analysis of NDUFAF1 using anti-NDUFAF1 antibody (AAA19616). NDUFAF1 was detected in an immunocytochemical section of T47D cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (AR0022) for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5 ug/mL rabbit anti-NDUFAF1 Antibody (AAA19616) overnight at 4 degree C. DyLight488 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



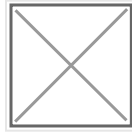
IHC (Immunohistochemistry)

Figure 9. IHC analysis of NDUFAF1 using anti-NDUFAF1 antibody (AAA19616). NDUFAF1 was detected in a paraffin-embedded section of rat brain tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-NDUFAF1 Antibody (AAA19616) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



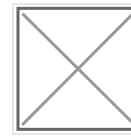
IHC (Immunohistochemistry)

Figure 8. IHC analysis of NDUFAB1 using anti-NDUFAB1 antibody (AAA19616).NDUFAB1 was detected in a paraffin-embedded section of mouse brain tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-NDUFAB1 Antibody (AAA19616) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



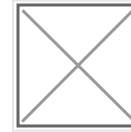
IHC (Immunohistochemistry)

Figure 6. IHC analysis of NDUFAB1 using anti-NDUFAB1 antibody (AAA19616).NDUFAB1 was detected in a paraffin-embedded section of human thyroid cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-NDUFAB1 Antibody (AAA19616) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 7. IHC analysis of NDUFAB1 using anti-NDUFAB1 antibody (AAA19616).NDUFAB1 was detected in a paraffin-embedded section of human tonsil tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-NDUFAB1 Antibody (AAA19616) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 5. IHC analysis of NDUFAB1 using anti-NDUFAB1 antibody (AAA19616).NDUFAB1 was detected in a paraffin-embedded section of human lymphoma tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-NDUFAB1 Antibody (AAA19616) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.

ADDITIONAL INFORMATION

Related Product Information for anti-NDUFAB1 antibody	Complex I intermediate-associated protein 30, mitochondrial (CIA30) is a protein that in humans is encoded by the NDUFAB1 gene. This gene encodes a complex I assembly factor protein. Complex I (NADH-ubiquinone oxidoreductase) catalyzes the transfer of electrons from NADH to ubiquinone (coenzyme Q) in the first step of the mitochondrial respiratory chain, resulting in the translocation of protons across the inner mitochondrial membrane. The encoded protein is required for assembly of complex I, and mutations in this gene are a cause of mitochondrial complex I deficiency. Alternatively spliced transcript variants have been observed for this gene, and a pseudogene of this gene is located on the long arm of chromosome 19.
Product Categories/Family for anti-NDUFAB1 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	49574510
NCBI GeneID	51103
NCBI Accession #	NP_057097.2
NCBI GenBank Nucleotide #	NM_016013.3
UniProt Accession #	Q9Y375; Q9BVZ5
Molecular Weight	37,764 Da
NCBI Official Full Name	complex I intermediate-associated protein 30, mitochondrial
NCBI Official Synonym Full Names	NADH dehydrogenase (ubiquinone) complex I, assembly factor 1
NCBI Official Symbol	NDUFAB1
NCBI Official Synonym Symbols	CGI65; CIA30; CGI-65
NCBI Protein Information	complex I intermediate-associated protein 30, mitochondrial; NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, assembly factor 1; NADH-ubiquinone oxidoreductase 1 alpha subcomplex, assembly factor 1
UniProt Protein Name	Complex I intermediate-associated protein 30, mitochondrial

UniProt Gene Name	NDUFAF1
UniProt Synonym Gene Names	CIA30
UniProt Entry Name	CIA30_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/ndufaf1-antibody-immunofluorescence-immunohistochemistry-immunocytochemistry-western-blot-elisa/19616>