

Rabbit anti-Human NDUFA13/GRIM 19 Polyclonal Antibody | anti-NDUFA13 antibody

Anti-NDUFA13/GRIM 19 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA256436	Rabbit	Human	Immunoprecipitation, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

NDUFA13/GRIM 19; Polyclonal Antibody; Anti-NDUFA13/GRIM 19 Antibody; Rabbit Polyclonal; NDUFA13/GRIM 19 Antibody; Rabbit PAb; Antigen Affinity Purified; NADH:ubiquinone oxidoreductase subunit A13; Anti-B16.6 Antibody; Anti-CDA016 Antibody; Anti-CGI-39 Antibody; Anti-GRIM-19 Antibody; Anti-GRIM19 Antibody; anti-NDUFA13 antibody

PRODUCT SPECIFICATIONS

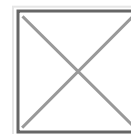
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human NDUFA13/GRIM 19
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-NDUFA13 antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived Human NDUFA13/GRIM 19 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human NDUFA13/GRIM 19 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



IP (Immunoprecipitation)

NDUFA13 was immunoprecipitated using: Lane A: 0.5 mg K562 Whole Cell Lysate 4 uL anti-NDUFA13 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-NDUFA13 rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 17 kDa. Observed band size: 15 kDa.



IHC (Immunohistochemistry)

Immunochemical staining of human NDUFA13 in human liver with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)

Anti-NDUFA13 rabbit polyclonal antibody at 1:500 dilutionLane A: MCF7 Whole Cell LysateLane B: K562 Whole Cell LysateLane C: 293T Whole Cell LysateLane D: U-251 MG Whole Cell LysateLysates/proteins at 30 ug per lane.SecondaryGoat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution.Developed using the ECL technique.Performed under reducing conditions.Predicted band size:17 kDaObserved band size:16 kDa(We are unsure as to the identity of these extra bands.

ADDITIONAL INFORMATION

Related Product Information for anti-NDUFA13 antibody	NDUFA13 (NADH: Ubiquinone Oxidoreductase Subunit A13) is a Protein Coding gene. NDUFA13 belongs to the complex I NDUFA13 subunit family. This gene encodes a subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I), which functions in the transfer of electrons from NADH to the respiratory chain. NDUFA13 has a unique molecular structure, and its location is very close to the subunits of complex I of low electrochemical potential. The protein binds the signal transducers and activators of transcription 3 (STAT3) transcription factor and can function as a tumor suppressor. Diseases associated with NDUFA13 include Mitochondrial Complex I Deficiency, Nuclear Type 28 and Thyroid Carcinoma, Hurthle Cell. Among its related pathways are GABAergic synapse and Respiratory electron transport, ATP synthesis by chemiosmotic coupling, and heat production by uncoupling proteins.
References	Zhao D, et al. (2018) Retinoid interferon-induced mortality19 (grim19) inhibits proliferation and invasion in rheumatoid arthritis fibroblast-like synoviocytes. Biomed Pharmacother 98 719-725.Yang Y, et al. (2018) Expression of grim-19 in unexplained recurrent spontaneous abortion and possible pathogenesis. Mol Hum Reprod 24 (7): 366-374.Hu H, et al. (2017) Electron leak from ndufa13 within mitochondrial complex i attenuates ischemia-reperfusion injury via dimerized stat3. Proc Natl Acad Sci U S A 114 (45): 11908-11913.

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/ndufa13-grim-19-antibody-immunoprecipitation-immunohistochemistry-western-blot-elisa/256436>