

Rabbit NDUFA13 Polyclonal Antibody | anti-NDUFA13 antibody

NDUFA13 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327031	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

NDUFA13; Polyclonal Antibody; NDUFA13 Antibody; 2700054G14Rik; AU022060; B16.6; CDA016; Cell death regulatory protein; Cell death regulatory protein GRIM-19; CGI-39; CGI39 protein; CI-B16.6; Complex I-B16.6; FLJ58045; FLJ59191; Gene associated with retinoic and IFN-induced mortality 19 protein; Gene associated with retinoic and interferon-induced mortality 19 protein; Gene associated with retinoic interferon induced mortality 19 protein; GRIM-19; NADH dehydrogenase (ubiquinone) 1 alpha subcomplex; 13; NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 13; NADH ubiquinone oxidoreductase B16.6 subunit; NADH-ubiquinone oxidoreductase B16.6 subunit; NDUAD_HUMAN; RGD1565358; anti-NDUFA13 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	NDUFA13 antibody detects endogenous levels of total NDUFA13
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	144
Applicable Applications for anti-NDUFA13 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human NDUFA13
Subcellular Location	Mitochondrion Inner Membrane. Nucleus. May be translocated into the nucleus upon IFN/RA treatment.
Tissue Specificity	Widely expressed, with highest expression in heart, skeletal muscle, liver, kidney and placenta. In intestinal mucosa, down-regulated in areas involved in Crohn disease and ulcerative colitis.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Dog, Xenopus
Similarity	Pig (100%), Zebrafish (92%), Bovine (100%), Dog (100%), Xenopus (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of Mouse heart lysate, using NDUFA13 Antibody. The lane on the left is treated with the antigen-specific peptide.



WB (Western Blot)
Western blot analysis of extracts from mouse kidney, using NDUFA13 Antibody.



WB (Western Blot)
Western blot analysis of extracts from mouse liver, rat brain, using NDUFA13 Antibody.



IHC (Immunohistochemistry)
AAA327031 at 1/100 staining Mouse liver tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-NDUFA13 antibody	Description: 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. The protein is required for complex I assembly and electron transfer activity. The protein binds the signal transducers and activators of transcription 3 (STAT3) transcription factor, and can function as a tumor suppressor. The human protein purified from mitochondria migrates at approximately 16 kDa. Transcripts originating from an upstream promoter and capable of expressing a protein with a longer N-terminus have been found, but their biological validity has not been determined. Function: Accessory subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I), that is believed not to be involved in catalysis (PubMed:27626371). 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 (PubMed:27626371). Involved in the interferon/all-trans-retinoic acid (IFN/RA) induced cell death. This apoptotic activity is inhibited by interaction with viral IRF1. Prevents the transactivation of STAT3 target genes. May play a role in CARD15-mediated innate mucosal responses and serve to regulate intestinal epithelial cell responses to microbes (PubMed:15753091). Subunit Structure: Complex I is composed of 45 different subunits (PubMed:27626371). Interacts with CARD15, but not with CARD4 (PubMed:12611891, PubMed:15753091). Interacts with STAT3, but not with STAT1, STAT2 and STAT5A (PubMed:12628925, PubMed:12867595). Interacts with OLFM4 (PubMed:15059901). Similarity: Belongs to the complex I NDUFA13 subunit family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	260763955
NCBI GeneID	51079
NCBI Accession #	NP_057049.5
NCBI GenBank Nucleotide #	NM_015965.6
UniProt Accession #	Q9P0J0; Q6PKI0; Q9H2L3; Q9Y327; B4DF76; K7EK58
Molecular Weight	Observed: 17 kDa Predicted: 17 kDa
NCBI Official Full Name	NADH dehydrogenase
NCBI Official Synonym Full Names	NADH:ubiquinone oxidoreductase subunit A13
NCBI Official Symbol	NDUFA13
NCBI Official Synonym Symbols	B16.6; CDA016; CGI-39; GRIM19; GRIM-19

NCBI Protein Information	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 13
UniProt Protein Name	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 13
UniProt Gene Name	NDUFA13
UniProt Synonym Gene Names	GRIM19; CI-B16.6; GRIM-19; Gene associated with retinoic and IFN-induced mortality 19 protein

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-antibody-immunohistochemistry-western-blot-elisa/327031>