

Datasheet for 100-401-N95**IFN Induced GTPase-like Protein Antibody****Overview**

Description:	Anti-IFN Induced GTPase-like Protein (RABBIT) Antibody - 100-401-N95
Item No.:	100-401-N95
Size:	100 µL
Applications:	ELISA, WB
Reactivity:	Mouse
Host Species:	Rabbit

Product Details

Background:	This antibody is designed, produced, and validated as part of a collaboration between Rockland and the National Cancer Institute (NCI). IFN Induced GTPase Like Protein is a novel protein involved in intracellular defense. It is suggested that IFN-induced GTPases may be an indicator for Lupus or other immunogenic abnormalities. Anti-IFN Induced GTPase Like Protein Antibody is ideal for researchers interested in autoimmune disease and apoptosis research.
Synonyms:	rabbit anti-IFN Induced GTPase-like Protein Antibody, interferon-gamma induced, Interferon-gamma-inducible GTPase Ifgga3 protein
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	Antiserum

Target Details

Gene Name:	Gm4841
Reactivity:	Mouse
Immunogen Type:	Conjugated Peptide
Immunogen:	IFN Induced GTPase Like Protein was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to a N-terminal region of mouse IFN Induced GTPase Like Protein.

Purity/Specificity: Anti-IFN Induced GTPase Like Protein Antibody was prepared from monospecific, delipidated and defibrinated antiserum, with addition of sodium azide to 0.01%. A BLAST analysis was used to suggest cross-reactivity with IFN Induced GTPase Like Protein from mouse based on a 100% homology with the immunizing sequence. Reactivity against homologues from other sources is not known.

Relevant Links:

- [UniProtKB - E9QAA8](#)
- [NCBI - NP_001030031.2](#)
- [GeneID - 225594](#)

Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-IFN Induced GTPase Like Protein has been tested by ELISA and Western Blot. Expect a band at ~48 kDa by western blotting in the appropriate cell lysate or extract.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:2000-1:10000
WB:	1:500-1:1000

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	80 mg/mL by Refractometry
Buffer:	0.02 M Potassium Phosphate, 0.5 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Western Blot

Western Blot of Rabbit Anti-IFN GTPase antibody. Lane 1: WT mouse spleen lysate. Lane 2: IFN gamma gene KO mouse spleen lysate. Load: 35 µg per lane. Primary antibody: IFN GTPases antibody at 1:1000 for overnight at 4°C. Secondary antibody: IRDye800™ rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: [KO gene results in chronic and persistent IFN gamma protein in the sera] ~52kDa for IFN GTPases antibody. Other band(s): nonspecific.

Disclaimer

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