

Datasheet for 100-401-100**NF-Y Antibody****Overview**

Description:	Anti-NF-Y (A subunit) (RABBIT) Antibody - 100-401-100
Item No.:	100-401-100
Size:	100 µL
Applications:	IHC, WB, EMSA
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	Nuclear transcription factor Y subunit alpha is a protein that in humans is encoded by the NFYA gene. The protein encoded by this gene is one subunit of a trimeric complex, forming a highly conserved transcription factor that binds to CCAAT motifs in the promoter regions in a variety of genes. Subunit A associates with a tight dimer composed of the B and C subunits, resulting in a trimer that binds to DNA with high specificity and affinity. The sequence specific interactions of the complex are made by the A subunit, suggesting a role as the regulatory subunit. In addition, there is evidence of post-transcriptional regulation in this gene product, either by protein degradation or control of translation. Further regulation is represented by alternative splicing in the glutamine-rich activation domain, with clear tissue-specific preferences for the two isoforms. Anti-NF-Y is ideal for investigators involved in transcription factor research.
Synonyms:	rabbit anti-NF-Y antibody, Nuclear transcription factor Y subunit alpha, Nuclear transcription factor Y subunit A, NF-YA, CAAT box DNA-binding protein subunit A
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	Antiserum

Target Details

Gene Name:	NFYA
Reactivity:	Human
Immunogen Type:	Conjugated Peptide

Immunogen:	NF-Y (A subunit specific) peptide corresponding to a region near the N-terminus of the human protein conjugated to Keyhole Limpet Hemocyanin (KLH).
Purity/Specificity:	Anti-NF-Y (A subunit) Antibody was prepared from monospecific antiserum by delipidation and defibrination.
Relevant Links:	• UniProtKB - P23511 • NCBI - CAI20286.1 • GeneID - 4800

Application Details

Tested Applications:	IHC, WB
Suggested Applications:	EMSA (Based on references)
Application Note:	Anti-NF-Y (A subunit) Antibody was tested by immunoblot and found to be reactive against NF-Y (A subunit specific) at a dilution of 1:6,000 followed by reaction with Peroxidase conjugated Affinity Purified anti-Rabbit IgG [H&L] (Goat). Anti-NF-Y (A subunit specific) is suitable for the detection by immunoblot of human and mouse NF-Y. Negligible reactivity was observed against the B subunit of NF-Y. Anti-NF-Y (A subunit) Antibody was also tested in a gel supershift assay and found to be reactive against NF-Y using 1.0 to 2.0 µl per assay. Anti-NF-Y was tested in IHC using human prostate tissue with 10µg/mL. Specific conditions should be optimized by user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:20,000 - 1:100,000
EMSA:	Use 2.0 µL
IHC:	1:400
WB:	1:2,000 - 1:10,000

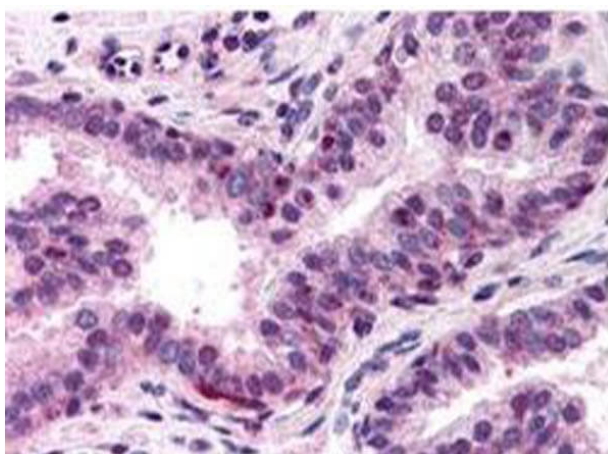
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	90 mg/ml by Refractometry
Buffer:	None
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

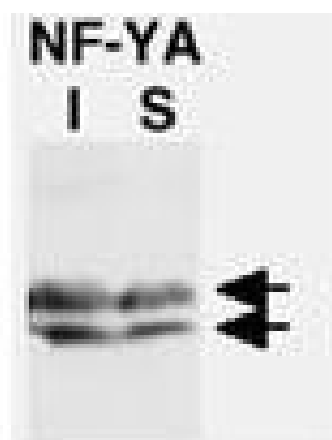
Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several 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



Immunohistochemistry

Immunohistochemistry of Rabbit anti-NF-Y (A Subunit) antibody. Tissue: human prostate tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: NF-Y antibody at 10 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: NF-Y is nuclear. Staining: NF-Y subunit A as precipitated red signal with hematoxylin purple nuclear counterstain.



Western Blot

Western Blot of Rabbit Anti-NF-Y (A Subunit) Antibody. Lane 1: CHO-7 cells were cultured in the absence (I) of cholesterol. Lane 2: CHO-7 cells were cultured in the presence (S) of cholesterol. Load: 35 µg per lane. Primary antibody: NF-YA antibody at 1:1000 for overnight at 4°C. Secondary antibody: HRP conjugated Goat-anti-Rabbit IgG [H&L] secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: NF-YA recognized as a doublet of ~ 42 kDa in size. Other band(s): none.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.