NF-YA Antibody

Rabbit Polyclonal
Antigen Affinity Purified
Catalog No. A302-105A
Lot No. A302-105A-1

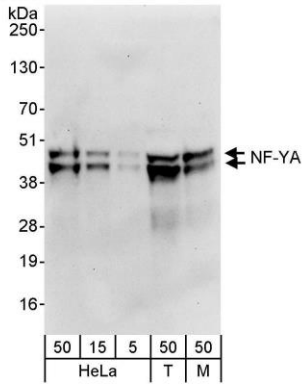
Protein ID NP_002496.1
GeneID 4800

APPLICATIONS	WB, IP, IHC
SPECIES REACTIVITY	Human, Mouse
PRESUMED REACTIVITY	Based on 100% sequence identity, this antibody is predicted to react with Rat and Bovine
AMOUNT	100 µl
CONCENTRATION	200 µg/ml
STORAGE/SHELF LIFE	2 - 8° C / 1 year from date of receipt
PHYSICAL STATE	Liquid
BUFFER	Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide
ISOTYPE	IgG
ORIGIN	USA
PRODUCTION PROCEDURES	Antibody was affinity purified using an epitope specific to NF-YA immobilized on solid support. The epitope recognized by A302-105A maps to a region between residue 333 and 347 of human nuclear transcription factor Y, alpha using the numbering given in entry NP_002496.1 (GeneID 4800). Immunoglobulin concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.
APPLICATIONS	Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.

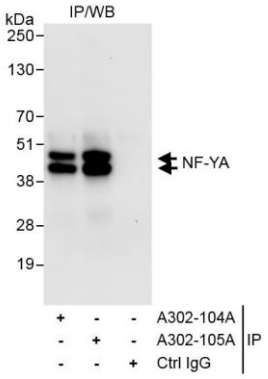
Western Blot	1:2,000 - 1:10,000
Immunoprecipitation	2 - 5 µg/mg lysate
Immunohistochemistry	1:100 - 1:500. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.

APPLICATION NOTES	Western blot of immunoprecipitates performed using Normal Pig Serum (Cat. No. S100-020), Goat anti-Rabbit Light Chain HRP Conjugate (Cat. No. A120-113P) and 4-20% SDS-PAGE (link to IP-western blot protocol in Additional Info section below). Western blot of lysates performed using standard western blot reagents and 4-20% SDS-PAGE.
IHC HUMAN CONTROLS	Breast Carcinoma, Colon Carcinoma, Non-Small Cell Lung Cancer, Ovarian Carcinoma, Prostate Carcinoma, Testicular Seminoma
ADDITIONAL INFO	https://www.bethyl.com/product/A302-105A Use the link above to view SDS, a current list of citations, and other product specific information. IP-western blot protocol https://www.bethyl.com/content/protocol_IP_WB

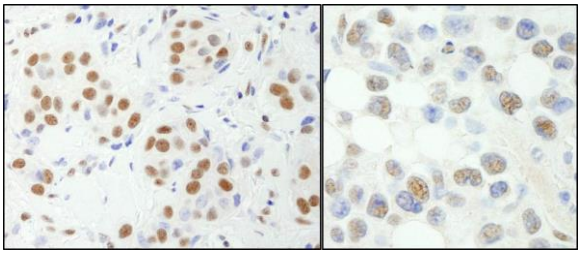
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.
Eric McIntush, PhD | Chief Scientific Officer Date: November 12, 2019



Detection of human and mouse NF-YA by western blot. *Samples:* Whole cell lysate from HeLa (5, 15, and 50 µg), HEK293T (T; 50 µg) and mouse NIH 3T3 (M; 50 µg) cells. *Antibody:* Affinity purified rabbit anti-NF-YA antibody A302-105A (lot A302-105A-1) used at 0.04 µg/ml. *Detection:* Chemiluminescence with an exposure time of 30 seconds.



Detection of human NF-YA by western blot of immunoprecipitates. *Samples:* Whole cell lysate (1 mg for IP, 20% of IP loaded) from HeLa cells. *Antibodies:* Affinity purified rabbit anti-NF-YA antibody A302-105A (lot A302-105A-1) used for IP at 3 µg/mg lysate. NF-YA was also immunoprecipitated by rabbit anti-NF-YA antibody A302-104A, which recognizes an upstream epitope. For blotting immunoprecipitated NF-YA, A302-105A was used at 1.0 µg/ml. *Detection:* Chemiluminescence with exposure timesof 5 seconds.



Detection of human and mouse NF-YA by immunohistochemistry. *Sample:* FFPE section of human breast carcinoma (left) and mouse hybridoma tumor (right). *Antibody:* Affinity purified rabbit anti-NF-YA (Cat. No. A302-105A lot 1) used at a dilution of 1:200 (1 µg/ml). *Detection:* DAB